

CONTENTS		SHEET		ISSUE NO.																							
		NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
SHEET INDEX		A1	1	2	3	4	5	6	7																		
SUPPORTING INFORMATION USED ON THIS SHEET																											
APPARATUS INDEX		A2	1	2	2	2	2	2	7																		
REF ID INDEX		A3	1	2	2	4	3	3	7																		
FS 1 CONTROL AND INTERFACE CIRCUITS FOR LEFT TTTC		B1AA	2	3	4	4	4	7																			
		B1AB	2	2	4	4	4	4																			
		B1CA	1	2	4	4	4	7																			
		B1CB	1	2	3	4	4	7																			
FS 2 CONTROL AND INTERFACE CIRCUITS FOR RIGHT TTTC		B2AA	2	3	4	4	4	7																			
		B2AB	2	2	4	4	4	4																			
		B2CA	1	2	3	4	4	7																			
		B2CB	1	2	3	4	4	5	7																		
FS 3 LEFT TTTC PORT CONNECTORS		B3AA	2	3	4	4	4	6																			
		B3AB	2	2	2	2	2	7																			
		B3CA	1	2	2	2	2	6	6																		
		B3LB	1	2	2	2	2	7																			
FS 4 RIGHT TTTC PORT CONNECTORS		B4AA	2	3	4	4	4	6																			
		B4AB	2	2	3	3	2	7																			
		B4CA	1	2	2	2	2	6	6																		
		B4CB	1	2	2	2	2	7																			
FS 5 PWR AND ALARMS		B5AA	2	2	4	5	5	7																			
		B5AB	2	2	2	2	2	7																			
		B5CA	1	2	2	2	2	7																			
		B5CB	2	2	2	5	5	5																			
AND FIG. 1-6		C1	1	2	2	4	5	5	7																		
SHEET CANCELED ON ISS. 2.A		C2																									
CIRCUIT NOTES																											
EQUIPMENT NOTES		D1	1	2	2	4	5	5	7																		
		D2	2	2	4	4	4	4	4																		
		D3	2	2	2	2	2	7																			
		D4	2	3	3	3	3	7																			
		D5	2	3	3	3	3	3																			
		D6	2	3	4	4	4	4	4																		
		D7		3	3	5	5	5																			
CAD NOTES		G01	1	2	2	2	2	2	2																		
CAD 1 UNIT SYMBOL		G02	1	2	3	2	2	2	2																		
CAD 2-7		G03	1	2	2	2	2	7	7																		
CAD 8-14		G04	1	2	2	2	2	6	6																		

[illegible]

DWG ISSUE	CD ISSUE	DATE REVISED	REVISIONS	APPROVED
1	1	7-27-74	DRG MITS ONR RFG	
2A	2A	7-19-75	AS L P RFG	
3D	2A APPX ID	6-11-76	ED M LEG DRG RFG	
4A	3A	7-4-77	AS LEG RFG (B.D.)	
5AC	2A APPX 1AC	8-10-78	NA C RFG MIS RFG E.C. ONR	
6A	3A APPX 2A	5-10-78	TH C RFG MIS RFG E.C. ONR	
7AC	3A APPX 2A	12-28-78	TH C RFG MIS RFG E.C. ONR	

SHEET INDEX NOTES

1. WHEN CHANGES ARE MADE IN THIS DRAWING, ONLY THOSE SHEETS AFFECTED WILL BE REISSUED.
2. THIS SHEET INDEX WILL BE REISSUED AND BROUGHT UP TO DATE EACH TIME ANY SHEET OF THE DRAWING IS REISSUED, OR A NEW SHEET IS ADDED.
3. THE ISSUE NUMBER ASSIGNED TO A CHANGED OR NEW SHEET WILL BE THE SAME ISSUE NUMBER AS THAT OF THE SHEET INDEX.
4. SHEETS THAT ARE NOT CHANGED WILL RETAIN THEIR EXISTING ISSUE NUMBER.
5. THE LAST ISSUE NUMBER OF THE SHEET INDEX IS RECOGNIZED AS THE LATEST ISSUE NUMBER OF THE DRAWING AS A WHOLE.

SUPPORTING INFORMATION

CATEGORY	NO.
CIRCUIT PACK SCHEMATICS	CPS--
EQUIPMENT DRAWING	J1C054A
-3V DC-DC CONVERTER	SD-82161-02
1080 DATA SET	SD-70640-01
AK17 (P/FB DS 8200 OR 8205)	SD-50313-01

* - SCHEMATICS OF ALL FA, FB AND FC ORDERED CIRCUIT PACKS USED IN THIS CIRCUIT ARE SHOWN IN DRAWINGS NUMBERED WITH A CPS PREFIX FOLLOWED BY THE CODE OF THE PACK, E.G., CPS-FAT050.

NOTICE- NOT FOR USE OR DISCLOSURE OUTSIDE THE BELL SYSTEM EXCEPT UNDER WRITTEN AGREEMENT.

1128

COMMON SYSTEMS

TELETYPEWRITER CONTROLLER UNIT
CIRCUIT

BELL TELEPHONE LABORATORIES

65

SD-IC905-01-A1.
37 SHEETS

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APPARATUS INDEX

APP FIGURE
EQUIP LOC NO. SH NO.
CIRCUIT PACKS

LOCATION
DESIG FS/SYN APPFIG EQPT

LOCATION
DESIG FS/SYN APPFIG EQPT

RELAY

SWITCH

RJ 5/8 1
RW 5/10 1

PWRSW 5/7 1 02-23

CIRCUIT PACK-CP

-ZVCONV 5/4 1 02-25
FALM 5/3 1 02-25
FIL 5/2 1 02-19
LONCTL 1/3 2 02-29

LONIF 1/1 3 02-27
LONIF 1/1 4 02-27
LONCTL 1/6 2 02-28
LONCTL 1/6 2 02-28

LRNIF 1/4 3 02-27
LRNIF 1/4 4 02-27
LRNTIN 1/7 3 02-27
LRNTIN 1/7 4 02-27

PDS 4/1 5 03-01
PDTTYIF 4/2 6 03-01
PDS 4/3 5 03-04
PDTTYIF 4/4 6 03-04

PDS 4/5 5 03-07
PDTTYIF 4/6 6 03-07
PDS 4/7 5 03-10
PDTTYIF 4/8 6 03-10

PDS 3/1 5 03-31
PDTTYIF 3/2 6 03-31
PDS 3/3 5 03-34
PDTTYIF 3/4 6 03-34

PDS 3/5 5 03-37
PDTTYIF 3/6 6 03-37
PDS 3/7 5 03-40
PDTTYIF 3/8 6 03-40

PALM 5/6 1 02-25
MONCTL 2/3 2 02-18
RONIF 2/1 3 02-18
RONIF 2/1 4 02-18

REP 5/3 1 02-26
RLNCTL 2/6 2 02-17
RLNCTL 2/6 2 02-17
RLNIF 2/4 3 02-18

RLNIF 2/4 4 02-18
RLNTIN 2/7 4 02-18
RLNTIN 2/7 3 02-18

DIODE

CR1 5/9 1 03-21R
CR2 5/11 1 03-21RA

POWER MODULE

-ZVCONV 5/1 1 02-23

02-16 2
02-17 2
02-17 2
02-18 3

02-18 4
02-19 1
02-25 1
02-26 1

02-27 3
02-27 4
02-28 2
02-28 2

02-29 2
03-01 5
03-01 6
03-04 5

03-04 6
03-07 5
03-07 6
03-10 5

03-10 6
03-31 5
03-31 6
03-34 5

03-34 6
03-37 5
03-37 6
03-40 5

03-40 6

DESIG
FIL 1
LONCTL 2
LONCTL 2
LONCTL 2

PDS 3
PDTTYIF 6
PDS 5
PDTTYIF 6

PDS 5
PDTTYIF 6
PDS 5
PDTTYIF 6

PDS 5
PDTTYIF 6
PDS 5
PDTTYIF 6

PDS 5
PDTTYIF 6
PDS 5
PDTTYIF 6

PDS 5
PDTTYIF 6
PDS 5
PDTTYIF 6

RONCTL 2
REP 1
RLNCTL 2
RLNCTL 2

TELETYPEWRITER CONTROLLER UNIT		ISSUE 7AC
BELL TELEPHONE LABORATORIES INCORPORATED		SD-1C905-01-A2

SD-1C905-01-A2

OPTION INDEX			
APP IN REQ	RATED IN ISSUE	REF NOTES	LOCATION
3	STD 1		APP FIG. 3
4	STD 1		APP FIG. 4
5	STD 1		APP FIG. 5
6	STD 1		APP FIG. 6
2	STD 2		APP FIG. 2,3,4
Y	STD 2		APP FIG. 2,3,4
X	STD 4	109	1/6, 2/6
W	STD 4	109	1/6, 2/6
V	STD 4	109	1/6, 2/6
U	STD 4	109	1/6, 2/6
T	STD 4	109	1/6, 2/6
S	STD 4	108	1/6, 2/6
R	STD 4	108	1/6, 2/6
P	STD 5		5/8, 5/10
N	STD 7		1/6
M	STD 7		1/6
K	STD 7		2/6
J	STD 7		2/6

TELETYPEWRITER CONTROLLER UNIT		2	SD-IC905-01-A3
BELL TELEPHONE LABORATORIES INCORPORATED			
MAY 1965		65	REVISION 1.0

CONTROL AND INTERFACE CIRCUITS FOR LEFT TTYC
INTERCONNECTION AND FLOW DIAGRAM



DWG SIZE	ISSUE
65	7AC

BIAA

BIAA

PART OF FS 1

CONTROL AND INTERFACE
CIRCUITS FOR LEFT TTY

SYMBOL/LEAD DESIGNATIONS

PHONETIC

+24ST SWITCHED +24V TO TTY CIRCUITS
+3V +3V FOR TTY CIRCUITS
AL40-AL70 ALARM SIGNAL FROM TTY, PORTS 4-7
GRDA GROUND
L-24 -24V FOR LEFT CONTROLLER
L300C1 LEFT 300 BAUD COUNTER OUTPUT
L600C1 LEFT 600 BAUD COUNTER OUTPUT
LB-X:1 LEFT 110 OR 150 BAUD COUNTER OUTPUT
LCRLB0 LEFT CHANNEL BUFFER TO LINE BUFFER GATING SIGNAL
LCRBSB0 LEFT CHANNEL BUFFER TO STATUS BITS GATING SIGNAL
LCBX0G10-LBX7G10 LEFT CHANNEL BUFFER OUTPUTS, BITS 0-7
LCLROY1 LEFT CLEAR CHARACTER READY FLAG
LCLRLB0 LEFT CLEAR LINE BUFFER
LCT111 LEFT COUNTER DIVIDE BY 11 OUTPUT
LCT1111 LEFT COUNTER DIVIDE BY 11 INPUT
LD10N,LD11P LEFT DATA INPUT FROM 3A CC 0
LD11N,LD11P LEFT DATA INPUT FROM 3A CC 1
LD00N,LD00P LEFT DATA OUTPUT TO 3A CC 0
LD01N,LD01P LEFT DATA OUTPUT TO 3A CC 1
LEN000 LEFT ENABLE OUTPUT PORT TO 3A CC ONE
LENZ00 LEFT ENABLE OUTPUT PORT TO 3A CC ZERO
LEF40-LEP000 LEFT ENABLE TTY, PORTS A-D
LEF411-LFPD11 LEFT RECEIVE DATA FROM TTY PORT INTERFACE CIRCUITS, PORTS A-D
LID0V1 LEFT INCOMING DATA OVER
LIDP0 LEFT INCOMING DATA PRESENT
LID0 LEFT INCOMING DATA
LINIT10 LEFT INITIALIZE (USED FOR CP TEST ONLY)
LION,L10P LEFT INTERRUPT SIGNAL TO 3A CC 0
L11N,L11P LEFT INTERRUPT SIGNAL TO 3A CC 1
LLBXC00 LEFT LINE REGISTER TO CHANNEL BUFFER GATING SIGNAL
LLR0G10-LLR7G10 LEFT LINE REGISTER OUTPUT, BITS 0-7
LLTJ1 LEFT LINE TIMING SIGNAL
LLT7BC1 LEFT LINE TIMER TO BINARY COUNTER SIGNAL
LNT10 LEFT MAINTENANCE TOGGLE INPUT (USED FOR CP TEST ONLY)
LDACT0 LEFT INPUT FROM 3A CC ONE IS ACTIVE

SYMBOL/LEAD DESIGNATIONS

PHONETIC

LD00 LEFT OUTGOING DATA
LRCYG10 LEFT CHARACTER READY FLAG
LRSTA0 LEFT LINE CIRCUITS ARE IN THE REST STATE
LSALMA1-LSALM01 LEFT ALARM SIGNALS FROM TTY PORT INTERFACE CIRCUITS, PORTS A-D
LSHFT0 LEFT SHIFT SIGNAL TO CHANNEL CIRCUITS
LSINT0 LEFT SEND INTERRUPT
LSTR10 LEFT SET LINE CIRCUITS TO TRANSMIT STATE
LTENB110 LEFT 10-BIT OPTION GROUND CONNECTION
LTPA0-LTPD0 LEFT OUTGOING DATA TO TTY PORT INTERFACE CIRCUITS, PORTS A-D
LZACT0 LEFT INPUT FROM 3A CC ZERO IS ACTIVE
R40-R70 INCOMING DATA RECEIVED FROM TTY, PORTS 4-7
S40-S70 OUTGOING DATA TO BE SENT TTY, PORTS 4-7
3VG+ "3VG+**** HARD WIRE GROUND (*****EOP LOC)

TELETYPEWRITER CONTROLLER UNIT		QWG SIZE C2	ISSUE 4A
BELL LABORATORIES	SD-1C905-01		81AB

PART OF FS 1 CONTROL AND INTERFACE CIRCUITS FOR LEFT TTYC

SYMBOL NO. 1 LEFT CHANNEL INTERFACE

DESIG	EQPT	LOC	CODE	ELEM	IDENT	OPT
LCMIF	02-27	FC200	FC201	A	(4)(Y)	(Y)
LCMIF	02-27	FC200	FC201	A	(4)(Y)	(Y)

SYMBOL NO. 3 LEFT CHANNEL CONTROL

DESIG	EQPT	LOC	CODE	ELEM	IDENT	OPT
LCMIF	02-27	FA105A		A	(Y)	

(CONT)

SYMBOL NO. 4 LEFT LINE INTERFACE

DESIG	EQPT	LOC	CODE	ELEM	IDENT	OPT
LLMIF	02-27	FC200	FC201	B	(4)(Y)	(Y)
LLMIF	02-27	FC200	FC201	B	(4)(Y)	(Y)

FS INFO

CP INFO

LEAD	DESIG	FUNC	TERM.	DESTINATION	NOTE	TERM.	MOD	LOC
L01N	I	303		TO COMM CKT		O'ON	2A1	
L01OP	I	201		TO COMM CKT		P/L01OP	2A0	
L01IN	I	002		TO COMM CKT		P/L01IN	2A2	
L01P	I	101		TO COMM CKT		O'1P	2A1	
L00N	O	305		TO COMM CKT		O'00N	201	
L00OP	O	206		TO COMM CKT		P/L00OP	202	
L00IN	O	304		TO COMM CKT		P/L00IN	201	
L00P	O	205		TO COMM CKT		P/L00P	202	
L00MO	I	207	1/3			ENK00	2A2	
L00N	I	307	1/3			ENK00	2A2	
L00OP	O	003	1/3			DOV1	205	
L00P	O	103	1/3			DOV1	2A2	
L00O	O	291	1/3			DOV1	2A2	
L10N	O	105		TO COMM CKT		P/L10N	10N	203
L10OP	O	005		TO COMM CKT		P/L10OP	10P	203
L10IN	O	104		TO COMM CKT		P/L10IN	11N	204
L11P	O	004		TO COMM CKT		P/L11P	11P	204
L0ACTO	I	301	1/3			UACTO	201	
L00O	I	302	1/3			UACTO	2A1	
L00OP	O	308	1/3			UACTO	2A1	
L00IN	I	102	1/3			UACTO	2A1	
L0ACTO	I	300	1/3			UACTO	2A1	
L00O	I	209	1/3			UACTO	2A1	

SYMBOL NO. 3 LEFT CHANNEL CONTROL

DESIG	EQPT	LOC	CODE	ELEM	IDENT	OPT
LCMIF	02-29	FA105B		A	(Y)	

FS INFO

CP INFO

LEAD	DESIG	FUNC	TERM.	DESTINATION	NOTE	TERM.	MOD	LOC
L01N	I	303		TO COMM CKT		O'ON	2A1	
L01OP	I	201		TO COMM CKT		P/L01OP	2A0	
L01IN	I	002		TO COMM CKT		P/L01IN	2A2	
L01P	I	101		TO COMM CKT		O'1P	2A1	
L00N	O	305		TO COMM CKT		O'00N	201	
L00OP	O	206		TO COMM CKT		P/L00OP	202	
L00IN	O	304		TO COMM CKT		P/L00IN	201	
L00P	O	205		TO COMM CKT		P/L00P	202	
L00MO	I	207	1/3			ENK00	2A2	
L00N	I	307	1/3			ENK00	2A2	
L00OP	O	003	1/3			DOV1	205	
L00P	O	103	1/3			DOV1	2A2	
L00O	O	291	1/3			DOV1	2A2	
L10N	O	105		TO COMM CKT		P/L10N	10N	203
L10OP	O	005		TO COMM CKT		P/L10OP	10P	203
L10IN	O	104		TO COMM CKT		P/L10IN	11N	204
L11P	O	004		TO COMM CKT		P/L11P	11P	204
L0ACTO	I	301	1/3			UACTO	201	
L00O	I	302	1/3			UACTO	2A1	
L00OP	O	308	1/3			UACTO	2A1	
L00IN	I	102	1/3			UACTO	2A1	
L0ACTO	I	300	1/3			UACTO	2A1	
L00O	I	209	1/3			UACTO	2A1	

FS INFO

CP INFO

LEAD	DESIG	FUNC	TERM.	DESTINATION	NOTE	TERM.	MOD	LOC
L01N	I	303		TO COMM CKT		O'ON	2A1	
L01OP	I	201		TO COMM CKT		P/L01OP	2A0	
L01IN	I	002		TO COMM CKT		P/L01IN	2A2	
L01P	I	101		TO COMM CKT		O'1P	2A1	
L00N	O	305		TO COMM CKT		O'00N	201	
L00OP	O	206		TO COMM CKT		P/L00OP	202	
L00IN	O	304		TO COMM CKT		P/L00IN	201	
L00P	O	205		TO COMM CKT		P/L00P	202	
L00MO	I	207	1/3			ENK00	2A2	
L00N	I	307	1/3			ENK00	2A2	
L00OP	O	003	1/3			DOV1	205	
L00P	O	103	1/3			DOV1	2A2	
L00O	O	291	1/3			DOV1	2A2	
L10N	O	105		TO COMM CKT		P/L10N	10N	203
L10OP	O	005		TO COMM CKT		P/L10OP	10P	203
L10IN	O	104		TO COMM CKT		P/L10IN	11N	204
L11P	O	004		TO COMM CKT		P/L11P	11P	204
L0ACTO	I	301	1/3			UACTO	201	
L00O	I	302	1/3			UACTO	2A1	
L00OP	O	308	1/3			UACTO	2A1	
L00IN	I	102	1/3			UACTO	2A1	
L0ACTO	I	300	1/3			UACTO	2A1	
L00O	I	209	1/3			UACTO	2A1	

FS INFO

CP INFO

LEAD	DESIG	FUNC	TERM.	DESTINATION	NOTE	TERM.	MOD	LOC
L01N	I	303		TO COMM CKT		O'ON	2A1	
L01OP	I	201		TO COMM CKT		P/L01OP	2A0	
L01IN	I	002		TO COMM CKT		P/L01IN	2A2	
L01P	I	101		TO COMM CKT		O'1P	2A1	
L00N	O	305		TO COMM CKT		O'00N	201	
L00OP	O	206		TO COMM CKT		P/L00OP	202	
L00IN	O	304		TO COMM CKT		P/L00IN	201	
L00P	O	205		TO COMM CKT		P/L00P	202	
L00MO	I	207	1/3			ENK00	2A2	
L00N	I	307	1/3			ENK00	2A2	
L00OP	O	003	1/3			DOV1	205	
L00P	O	103	1/3			DOV1	2A2	
L00O	O	291	1/3			DOV1	2A2	
L10N	O	105		TO COMM CKT		P/L10N	10N	203
L10OP	O	005		TO COMM CKT		P/L10OP	10P	203
L10IN	O	104		TO COMM CKT		P/L10IN	11N	204
L11P	O	004		TO COMM CKT		P/L11P	11P	204
L0ACTO	I	301	1/3			UACTO	201	
L00O	I	302	1/3			UACTO	2A1	
L00OP	O	308	1/3			UACTO	2A1	
L00IN	I	102	1/3			UACTO	2A1	
L0ACTO	I	300	1/3			UACTO	2A1	
L00O	I	209	1/3			UACTO	2A1	

PART OF FS 1
SYMBOL(S) 1 3 4

TELETYPE/ITER CONTROLLER UNIT		DWG SIZE c2	ISSUE 7AC
BELL LABORATORIES	SD-1C905-01	B1CA	

PART OF FS 1

CONTROL AND INTERFACE CIRCUITS FOR LEFT TTYC

SYMBOL NO. 6

LEFT LINE CONTROL

DESIG	EOP	LOC	CODE	ELEN	OPT
LOC	LOC			IDENT	
LLNCTL	02-28	FA1099	A	(1)	
LLNCTL	02-28	FA1092	A	(R)	

SYMBOL NO. 6

(CONT)

LEFT LINE CONTROL

DESIG	EOP	LOC	CODE	ELEN	OPT
LOC	LOC			IDENT	
LLNCTL	02-28	FA1099	A	(R)	
LLNCTL	02-28	FA1092	A	(R)	

FS INFO

CP INFO

LEAD	DESIG	FUNC	TERM.	DESTINATION	NOTE	TERM.	LOC
MOD						MOD	
SV	PWR	000	1/1	201	+3		
GRDA	PWR	119	5/1	201	+3		
GRD	000	5/1	201				
GRD	200	5/1	201				
GRD	200	5/1	201				
GRD	319	5/1	201				

FS INFO

CP INFO

LEAD	DESIG	FUNC	TERM.	DESTINATION	NOTE	TERM.	LOC
MOD						MOD	
SV	SVGG22AT	GRD	012	201	+3		
GRD	017	GRD	017	GRD012	208		
GRD	114	GRD	114	GRD017	208		
GRD	212	GRD	212	GRD212	2C8		
GRD	217	GRD	217	GRD217	2C8		
GRD	314	GRD	314	GRD314	288		
GRD	319	GRD	319	GRD			

SYMBOL NO. 7

LEFT LINE TIMER

DESIG	EOP	LOC	CODE	ELEN	OPT
LOC	LOC			IDENT	
LLNTIM	02-27	FC200	C	(4)(1)	
LLNTIM	02-27	FC261	C	(3)(1)	

FS INFO

CP INFO

LEAD	DESIG	FUNC	TERM.	DESTINATION	NOTE	TERM.	LOC
MOD						MOD	
LT	LT1111	I	310	109	109		
LT	LT1111	O	207	109	109		
LEPGO	I	019	1/3	EPAG0	9A0		
LEPGO	I	318	1/3	EPB00	9A1		
LEPGO	I	018	1/3	EPG00	9A2		
LEPGO	I	218	1/3	EPG00	9A3		

FS INFO

CP INFO

LEAD	DESIG	FUNC	TERM.	DESTINATION	NOTE	TERM.	LOC
MOD						MOD	
LT	LT1101	O	204	1/6	109		
LT	LT1101	O	204	1/6	109		

FS INFO

CP INFO

LEAD	DESIG	FUNC	TERM.	DESTINATION	NOTE	TERM.	LOC
MOD						MOD	
LP	LP0011	I	216	1/4	109		
LP	LP0011	I	118	1/4	109		
LP	LP0011	I	213	1/4	109		
LP	LP0011	I	216	1/4	109		
LP	LP0011	I	309	1/4	109		
LP	LP0011	O	305	1/3	109		

FS INFO

CP INFO

LEAD	DESIG	FUNC	TERM.	DESTINATION	NOTE	TERM.	LOC
MOD						MOD	
LP	LP0011	O	105	1/3	109		
LP	LP0011	O	013	1/3	109		
LP	LP0011	O	312	1/3	109		
LP	LP0011	O	210	1/3	109		
LP	LP0011	O	010	1/3	109		
LP	LP0011	O	112	1/3	109		

FS INFO

CP INFO

LEAD	DESIG	FUNC	TERM.	DESTINATION	NOTE	TERM.	LOC
MOD						MOD	
LP	LP0011	O	110	1/3	109		
LP	LP0011	O	215	1/3	109		
LP	LP0011	O	209	1/7	109		
LP	LP0011	O	109	1/3	109		
LP	LP0011	O	103	1/3	109		
LP	LP0011	O	006	1/3	109		

FS INFO

CP INFO

LEAD	DESIG	FUNC	TERM.	DESTINATION	NOTE	TERM.	LOC
MOD						MOD	
LP	LP0011	O	016	1/3	109		
LP	LP0011	O	211	1/4	109		
LP	LP0011	O	011	1/4	109		
LP	LP0011	O	311	1/4	109		
LP	LP0011	O	111	1/4	109		
LP	LP0011	O	011	1/4	109		

FS INFO

CP INFO

LEAD	DESIG	FUNC	TERM.	DESTINATION	NOTE	TERM.	LOC
MOD						MOD	
LP	LP0011	O	007	1/4	109		
LP	LP0011	O	306	1/4	109		
LP	LP0011	O	005	1/4	109		
LP	LP0011	O	102	1/4	109		
LP	LP0011	O	107	1/4	109		
LP	LP0011	O	200	1/4	109		

FS INFO

CP INFO

LEAD	DESIG	FUNC	TERM.	DESTINATION	NOTE	TERM.	LOC
MOD						MOD	
LP	LP0011	O	007	1/4	109		
LP	LP0011	O	306	1/4	109		
LP	LP0011	O	005	1/4	109		
LP	LP0011	O	102	1/4	109		
LP	LP0011	O	107	1/4	109		
LP	LP0011	O	200	1/4	109		

FS INFO

CP INFO

LEAD	DESIG	FUNC	TERM.	DESTINATION	NOTE	TERM.	LOC
MOD						MOD	
LP	LP0011	O	007	1/4	109		
LP	LP0011	O	306	1/4	109		
LP	LP0011	O	005	1/4	109		
LP	LP0011	O	102	1/4	109		
LP	LP0011	O	107	1/4	109		
LP	LP0011	O	200	1/4	109		

FS INFO

CP INFO

LEAD	DESIG	FUNC	TERM.	DESTINATION	NOTE	TERM.	LOC
MOD						MOD	
LP	LP0011	O	007	1/4	109		
LP	LP0011	O	306	1/4	109		
LP	LP0011	O	005	1/4	109		
LP	LP0011	O	102	1/4	109		
LP	LP0011	O	107	1/4	109		
LP	LP0011	O	200	1/4	109		

PART OF FS 1
SYMBOL(S) 6 7

TELETYPEWRITER CONTROLLER UNIT

DWG SIZE

ISSUE

7AC

BELL LABORATORIES

SD-1C905-01

PRINTED IN U.S.A.

12/1978

PART OF FS 2

CONTROL AND INTERFACE
CIRCUITS FOR RIGHT TTY

SYMBOL/LEAD DESIGNATIONS

MEMORIC

*24ST

*3V

AL00-AL30

GR0A

R-24

R300C1

R400C1

R81X01

RCEXLB0

RCEXSB0

RCEG010-RCE7G10

RCLRDY1

RCLRLB0

RCT111

RCT1111

RD01W,RD01P

RD01W,RD01P

RD00W,RD00P

RD01W,RD01P

REN000

REN200

REPAG0-REPOG3

REPA11-REP011

RID0V1

RID0P

RID0

RINIT10

R10W,R10P

R11W,R11P

RLBXC00

RLR0G10-RLR7G10

RLTIM1

RLTT0C1

RMT10

DEFINITION

SWITCHED +24V TO TTYC CIRCUITS

+3V FOR TTYC CKTS

ALARM SIGNAL FROM TTY, PORTS 0-3

GROUND

-24V FOR RIGHT CONTROLLER

RIGHT 300 BAUD COUNTER OUTPUT

RIGHT 600 BAUD COUNTER OUTPUT

RIGHT 110 OR 150 BAUD COUNTER OUTPUT

RIGHT CHANNEL BUFFER TO LINE BUFFER GATING SIGNAL

RIGHT CHANNEL BUFFER TO STATUS BITS GATING SIGNAL

RIGHT CHANNEL BUFFER OUTPUTS, BITS 0-7

RIGHT CLEAR CHARACTER READY FLAG

RIGHT CLEAR LINE BUFFER

RIGHT COUNTER DIVIDE BY 11 OUTPUT

RIGHT COUNTER DIVIDE BY 11 INPUT

RIGHT DATA INPUT FROM 3A CC 0

RIGHT DATA INPUT FROM 3A CC 1

RIGHT DATA OUTPUT TO 3A CC 0

RIGHT DATA OUTPUT TO 3A CC 1

RIGHT ENABLE OUTPUT PORT TO 3A CC ONE

RIGHT ENABLE OUTPUT PORT TO 3A CC ZERO

RIGHT ENABLE TTY, PORTS A-0

RIGHT RECEIVED DATA FROM TTY PORT INTERFACE CIRCUITS, PORTS A-0

RIGHT INCOMING DATA OVER

RIGHT INCOMING DATA PRESENT

RIGHT INCOMING DATA

RIGHT INITIALIZE (USED FOR CP TEST ONLY)

RIGHT INTERRUPT SIGNAL TO 3A CC 0

RIGHT INTERRUPT SIGNAL TO 3A CC 1

RIGHT LINE REGISTER TO CHANNEL BUFFER GATING SIGNAL

RIGHT LINE REGISTER OUTPUT, BITS 0-7

RIGHT LINE TIMING SIGNAL

RIGHT LINE TIMER TO BINARY COUNTER SIGNAL

RIGHT MAINTENANCE TOGGLE INPUT (USED FOR CP TEST ONLY)

SYMBOL/LEAD DESIGNATIONS

MEMORIC

R0ACT0

R000

R00YG10

R0RTA0

RSALNA1-RSALND1

RSNFT0

RSINT0

RSTRT0

RTENBIT0

RTPAD-RTPD0

RZACT0

R00-R30

S00-79

3VG-8,3VG-9,T

DEFINITION

RIGHT INPUT FROM 3A CC ONE IS ACTIVE

RIGHT OUTGOING DATA

RIGHT CHARACTER READY FLAG

RIGHT* LINE CIRCUITS ARE IN THE REST STATE

RIGHT ALARM SIGNALS FROM TTY PORT INTERFACE CIRCUITS, PORTS A-0

RIGHT SHIFT SIGNAL TO CHANNEL CIRCUITS

RIGHT SEND INTERRUPT

RIGHT SET LINE CIRCUITS TO TRANSMIT STATE

RIGHT 10-BIT OPTION GROUND CONNECTION

RIGHT OUTGOING DATA TO TTY PORT INTERFACE CIRCUITS, PORTS A-0

RIGHT INPUT FROM 3A CC ZERO IS ACTIVE

INCOMING DATA RECEIVED TTY, PORTS 0-3

OUTGOING DATA TO BE SENT BY TTY, PORTS 0-3

HARD WIRE GROUND (*****ECP LOG)

TELETYPEWRITER CONTROLLER UNIT

DWG SIZE

4A

ISSUE

B2AB

BELL LABORATORIES

SD-1C905-01

PRINTED IN U.S.A.

01/19/77

PART OF FS 2

CONTROL AND INTERFACE CIRCUITS FOR RIGHT TTTC

SYMBOL NO. 1
RIGHT CHANNEL INTERFACE

DESIG	ESPT LOC	CODE	ELEM IDENT	OPT
RCHIF	02-18	FE200	A	(4)(2)
RCHIF	02-18	FE261	A	(3)(2)

SYMBOL NO. 3
RIGHT CHANNEL CONTROL

DESIG	ESPT LOC	CODE	ELEM IDENT	OPT
RCHCTL	02-16	FA1058	A	(2)

SYMBOL NO. 4
RIGHT LINE INTERFACE

DESIG	ESPT LOC	CODE	ELEM IDENT	OPT
RLNIF	02-18	FE200	B	(4)(2)
RLNIF	02-18	FE261	B	(3)(2)

FS INFO

CP INFO

LEAD DESIG	FUNC	TERM.	DESTINATION	NOTE	TERM. MOD	LOC
R010N	I	101	TO COMM CKT	P/R010P	010N	2A1
R010P	I	203	TO COMM CKT	P/R010N	010P	2A2
R011N	I	002	TO COMM CKT	P/R011P	011N	2A2
R011P	I	101	TO COMM CKT	P/R011N	011P	2A1
R000N	O	305	TO COMM CKT	P/R000P	000N	201
R000P	O	206	TO COMM CKT	P/R000N	000P	202
R001N	O	304	TO COMM CKT	P/R001P	001N	201
R001P	O	205	TO COMM CKT	P/R001N	001P	202
R0000	I	207	2/3			2A2
R0000	I	307	2/3			2A2
R0001	O	003	2/3			2A2
R0001	O	306	2/3			2A2
R0000	O	202	2/3			2A2
R0000	O	201	2/3			2A2
R0000	O	105	TO COMM CKT	P/R000P	10N	203
R0000	O	005	TO COMM CKT	P/R000N	10P	203
R0000	O	104	TO COMM CKT	P/R001P	11N	204
R0000	O	004	TO COMM CKT	P/R011N	11P	204
R0000	O	301	2/3			2A2
R0000	O	208	2/3			2A2
R0000	O	102	2/3			2A2
R0000	O	300	2/3			2A2
R0000	O	209	2/3			2A2

SYMBOL NO. 3
RIGHT CHANNEL CONTROL

DESIG	ESPT LOC	CODE	ELEM IDENT	OPT
RCHCTL	02-16	FA1058	A	(2)

FS INFO

CP INFO

LEAD DESIG	FUNC	TERM.	DESTINATION	NOTE	TERM. MOD	LOC
+3V	PUR	119	5/1	201	+3	
GRDA	GRD	050	5/1	201	GRD	
	GRD	250	5/1	201	GRD	
	GRD	250	5/1	201	GRD	
	GRD	319	5/1	201	GRD	
R0000	O	008	2/6			3A2
R0000	O	011	2/6			3A2
R0000	O	016	2/6			3A2
R0000	O	219	2/6			3A2
R0000	O	116	2/6			3A2
R0000	O	216	2/6			3A2
R0000	O	007	2/6			3A2
R0000	O	003	2/6			3A2
R0000	O	001	2/6			3A2
R0000	O	100	2/6			3A2
R0000	O	311	2/6			3A2
R0000	O	010	2/6			3A2

FS INFO

CP INFO

LEAD DESIG	FUNC	TERM.	DESTINATION	NOTE	TERM. MOD	LOC
R0000	O	009	2/1			2A2
R0000	O	009	2/1			2A2
R0000	O	312	2/6			2A2
R0000	O	112	2/6			2A2
R0000	O	213	2/6			2A2
R0000	O	013	2/6			2A2
R0000	I	014	2/1			2A2
R0000	I	111	2/1			2A2
R0000	O	011	2/1			2A2
R0000	I	315	2/6			2A2
R0000	I	316	2/6			2A2
R0000	I	019	2/6			2A2
R0000	I	318	2/6			2A2
R0000	I	118	2/6			2A2
R0000	I	218	2/6			2A2
R0000	I	0	2/6			2A2
R0000	I	317	2/6			2A2
R0000	I	108	2/1			2A2
R0000	O	104	2/1			2A2
R0000	I	315	2/6			2A2
R0000	I	117	2/6			2A2
R0000	I	115	2/6			2A2
R0000	I	015	2/6			2A2
R0000	I	015	2/6			2A2
R0000	I	214	2/1			2A2
R0000	I	208	2/1			2A2
R0000	I	113	2/1			2A2
R0000	O	308	2/6			2A2
R0000	O	309	2/1			2A2
R0000	O	005	2/6			2A2
R0000	O	102	2/6			2A2
R0000	O	107	2/6			2A2
R0000	O	200	2/6			2A2
R0000	O	295	2/6			2A2
R0000	O	302	2/6			2A2
R0000	O	307	2/6			2A2
R0000	O	012	2/6			2A2
R0000	O	017	2/6			2A2
R0000	O	114	2/6			2A2
R0000	O	212	2/6			2A2
R0000	O	217	2/6			2A2
R0000	O	314	2/6			2A2
R0000	O	319	2/6			2A2

FS INFO

CP INFO

LEAD DESIG	FUNC	TERM.	DESTINATION	NOTE	TERM. MOD	LOC
+24V	PUR	018	5/1	201	+24	3A2
	PUR	019	5/1	201	+24	3A2
	PUR	112	5/1	201	+24	3A2
-3V	PUR	000	5/1	201	-3	3A2
	PUR	119	5/1	201	-3	3A2
AL00	I	017	4/1		AL00	3A3
AL10	I	116	4/1		AL10	3A4
AL20	I	015	4/1		AL20	3A5
AL30	I	014	4/1		AL30	3A5
GRDA	GRD	050	5/1	201	GRD	3A6
	GRD	250	5/1	201	GRD	3A6
R-24	GRD	200	5/1	201	GRD	3A6
	GRD	319	5/1	201	GRD	3A6
RPPA11	O	214	2/6			3A6
RPPB11	O	215	2/6			3A6
RPPC11	O	216	2/6			3A6
RPPD11	O	217	2/6			3A6
RPPA11	O	009	2/3			3A6
RPPB11	O	011	2/3			3A6
RPPC11	O	012	2/3			3A6
RPPD11	O	013	2/3			3A6
RPPA11	O	014	2/3			3A6
RPPB11	O	015	2/3			3A6
RPPC11	O	016	2/3			3A6
RPPD11	O	017	2/3			3A6
RPPA11	O	018	2/3			3A6
RPPB11	O	019	2/3			3A6
RPPC11	O	020	2/3			3A6
RPPD11	O	021	2/3			3A6
RPPA11	O	022	2/3			3A6
RPPB11	O	023	2/3			3A6
RPPC11	O	024	2/3			3A6
RPPD11	O	025	2/3			3A6
RPPA11	O	026	2/3			3A6
RPPB11	O	027	2/3			3A6
RPPC11	O	028	2/3			3A6
RPPD11	O	029	2/3			3A6
RPPA11	O	030	2/3			3A6
RPPB11	O	031	2/3			3A6
RPPC11	O	032	2/3			3A6
RPPD11	O	033	2/3			3A6
RPPA11	O	034	2/3			3A6
RPPB11	O	035	2/3			3A6
RPPC11	O	036	2/3			3A6
RPPD11	O	037	2/3			3A6
RPPA11	O	038	2/3			3A6
RPPB11	O	039	2/3			3A6
RPPC11	O	040	2/3			3A6
RPPD11	O	041	2/3			3A6
RPPA11	O	042	2/3			3A6
RPPB11	O	043	2/3			3A6
RPPC11	O	044	2/3			3A6
RPPD11	O	045	2/3			3A6
RPPA11	O	046	2/3			3A6
RPPB11	O	047	2/3			3A6
RPPC11	O	048	2/3			3A6
RPPD11	O	049	2/3			3A6
RPPA11	O	050	2/3			3A6
RPPB11	O	051	2/3			3A6
RPPC11	O	052	2/3			3A6
RPPD11	O	053	2/3			3A6
RPPA11	O	054	2/3			3A6
RPPB11	O	055	2/3			3A6
RPPC11	O	056	2/3			3A6
RPPD11	O	057	2/3			3A6
RPPA11	O	058	2/3			3A6
RPPB11	O	059	2/3			3A6
RPPC11	O	060	2/3			3A6
RPPD11	O	061	2/3			3A6
RPPA11	O	062	2/3			3A6
RPPB11	O	063	2/3			3A6
RPPC11	O	064	2/3			3A6
RPPD11	O	065	2/3			3A6
RPPA11	O	066	2/3			3A6
RPPB11	O	067	2/3			3A6
RPPC11	O	068	2/3			3A6
RPPD11	O	069	2/3			3A6
RPPA11	O	070	2/3			3A6
RPPB11	O	071	2/3			3A6
RPPC11	O	072	2/3			3A6
RPPD11	O	073	2/3			3A6
RPPA11	O	074	2/3			3A6
RPPB11	O	075	2/3			3A6
RPPC11	O	076	2/3			3A6
RPPD11	O	077	2/3			3A6
RPPA11	O	078	2/3			3A6
RPPB11	O	079	2/3			3A6
RPPC11	O	080	2/3			3A6
RPPD11	O	081	2/3			3A6
RPPA11	O	082	2/3			3A6
RPPB11	O	083	2/3			3A6
RPPC11	O	084	2/3			3A6
RPPD11	O	085	2/3			3A6
RPPA11	O	086	2/3			3A6
RPPB11	O	087	2/3			3A6
RPPC11	O	088	2/3			3A6
RPPD11	O	089	2/3			3A6
RPPA11	O	090	2/3			3A6
RPPB11	O	091	2/3			3A6
RPPC11	O	092	2/3			3A6
RPPD11	O	093	2/3			3A6
RPPA11	O	094	2/3			3A6
RPPB11	O	095	2/3			3A6
RPPC11	O	096	2/3			3A6
RPPD11	O	097	2/3			3A6
RPPA11	O	098	2/3			3A6
RPPB11	O	099	2/3			3A6
RPPC11	O	100	2/3			3A6
RPPD11	O	101	2/3			3A6
RPPA11	O	102	2/3			3A6
RPPB11	O	103	2/3			3A6
RPPC11	O	104	2/3			3A6
RPPD11	O	105	2/3			3A6
RPPA11	O	106	2/3			3A6
RPPB11	O	107	2/3			3A6
RPPC11	O	108	2/3			3A6
RPPD11	O	109	2/3			3A6
RPPA11	O	110	2/3			3A6
RPPB11	O	111	2/3			3A6
RPPC11	O	112	2/3			3A6
RPPD11	O	113	2/3			3A6
RPPA11	O	114	2/3			3A6
RPPB11	O	115	2/3			3A6</

PART OF FS 2

CONTROL AND INTERFACE CIRCUITS FOR RIGHT TTYO

SYMBOL NO. 6

RIGHT LINE CONTROL

DESIG	EOP LOC	CODE	ELEM IDENT	OPT
RLNCTL	02-17	FA1059	A	(2)

SYMBOL NO. 6

(CONT:

RIGHT LINE CONTROL

DESIG	EPT LOC	CODE	ELEM IDENT	OPT
----	----	----	----	---
RLNCTL	02-17	FA1059	A	(2)

FS INFO

- 89 -

LEAD DESIG	FUNC	TERM.	DESTINATION	NOTE	TERM. MOD	LOC
3V	PMR	000	5/1	201	13	---
GRCA	PMR	119	5/1	201	GRD	
	GRD	060	5/1	201	GRD	
	GRD	250	5/1	201	GRD	
	GRD	200	5/1	201	GRD	
	GRD	319	5/1	201	GRD	
RBX001		0	106	109	B1X001	10MS
RDB0LB		0	106		CB0LB	340
RDB0GB		1	316	2/3	CB0GB	445
RB1G10		1	117	2/3	CB1G10	444
RCB2G10		1	317	2/3	CB2G10	444
RB5G10		1	275	2/3	CB5G10	441
RB6G10		1	313	2/3	CB6G10	346
RB5G10		1	014	2/3	CB5G10	343
RB6G10		1	274	2/3	CB6G10	343
RCB7G10		1	015	2/3	CB7G10	340
RCB8G10		1	015	2/3	CB8G10	345
CLRB0LB		1	093	2/3	CLRB0LB	340

FS INT-C

- CP INF

LEAD	DESIG	FUNC	TERM.	DESTINATION	NOTE	TERM.	LOC
			----	-----	----	----	----
SVG02177		GRD	212			GRD212	2CB
		GRD	317			GRD317	2CB
		GRD	314			GRD314	2BB
		GRD	319			GRD	
SYMBOL NO. 7							

RIGHT LINE TIMER							

DESIG	EDPT	LOC	CODE	ELEM	IOENT	DPT	
		----	----		----		
RLNTH	02-18		FC200		C	(4) (2)	
FS INFO							

LEAD	DESIG	FUNC	TERM.	DESTINATION	NOTE	TERM.	LOC
			----	-----	----	----	----

SYMBOL NO. 7

RIGHT LINE TIMER

DESIG ----	EOPT LOC ----	CODE ----	ELEM IDENT -----	OPT ----
RLNTIM	02-18	FC200	C	(4)(2)

- FS INF

-- CP INF

LEAD DESIG	FUNC	TERM.	DESTINATION	NOTE	TERM. MOD	LOC
RLTTBC1	0	204	276	109	LTIMC1	2G7

SYMBOL NO.

RIGHT LINE TIMES

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
-----	-----	-----	-----	---
RLNTIM	02-18	FC261	C	(3)(2)

- FS INR

CP IN

[illegible]

15. *Journal of the American Medical Association*, 273, 1995, 1031-1035.

PART OF FS 2
SYMBOL(S) 6 7 8

TELETYPEWRITER CONTROLLER UNIT			
		DWG SIZE C2	ISSUE 4A
BELL LABORATORIES	SD-1C905-01		B2C2
			35-12577

LEFT TIYC PORT CONNECTORS
(SEE NOTE 305)
INTERCONNECTION AND FLOW DIAGRAM

1. CONNECTOR SHOWN IS FOR DATA SET OR AR17 CIRCUIT PACK.



DWG SIZE

DWG SIZE

BELL LABORATORIES

SD-IC905-Q1

DWG SIZE

ISSUE
6A

B3AA

PART OF FS 3
LEFT TTYC PORT CONNECTORS

SYMBOL/LEAD DESIGNATIONS

MECHANIC

+R4--R7

+S4--S7

+24ST

AL40-AL70

BA4A-BA47

GR4

L-24

RA-RP

RI40-RI70

SI40-SI70

T4-T7

DEFINITION

TTY RECEIVED LEAD FOR CURRENT
LOOP INTERFACE, PORTS 4-7

TTY SEND LEAD FOR CURRENT LOOP
INTERFACE, PORTS 4-7

SWITCHED -24V TO TTYC CIRCUITS

ALARM SIGNAL FROM TTY, PORTS
4-7

TRANSMITTED DATA SIGNAL FOR EIA
INTERFACE, PORTS 4-7

GROUND

-24V FOR LEFT CONTROLLER

RING LEAD TO TELEPHONE LINE FOR
REMOTE TTY OPERATION,
PORTS 4-7

INCOMING DATA RECEIVED FROM
TTY, PORTS 4-7

OUTGOING DATA TO BE SENT BY
TTY, PORTS 4-7

TIP LEAD TO TELEPHONE LINE FOR
REMOTE TTY OPERATION, PORT 4-7

TELETYPEWRITER CONTROLLER UNIT		ENG SIZE C	ISSUE 2A
BELL LABORATORIES	SD-10905-01	REBAR	

PART OF FS 3

LEFT TTY PORT CONNECTORS
(SEE NOTE 105)

SYMBOL NO. 1

PORT 4 DATA SET
(SEE NOTES 105 AND 106)

DESIG	EQPT	LOC	CODE	ELEM	IDENT	OPT
P4DS	03-31		1080 DATA SET	A		(5)

FS INFO

LEAD	DESIG	FUNC	TERM.	DESTINATION	NOTE	TERM.	MOD	LOC
+RA	0	2		TO CONN CKT				
+SA	1	3		TO CONN CKT				
+ZAST	PHR	1		5/7				
AL40	0	14		1/4				
BAB4	1	7		1/4				
	0	9		3/9				
				TO CONN CKT				
GR4	GRD	8		5/1				
L-24	PHR	20		5/4				
R4	01	16		3/9				
				TO CONN CKT				
R40	1	10		1/4				
T4	1	4		1/4				
	01	15		3/9				
				TO CONN CKT				

SYMBOL NO. 2

PORT 4 TTY INTERFACE
(SEE NOTE 107)

DESIG	EQPT	LOC	CODE	ELEM	IDENT	OPT
P4TTYIF	03-31		AR17	A		(6)

FS INFO

LEAD	DESIG	FUNC	TERM.	DESTINATION	NOTE	TERM.	MOD	LOC
------	-------	------	-------	-------------	------	-------	-----	-----

SYMBOL NO. 3

PORT 5 DATA SET
(SEE NOTES 105 AND 106)

DESIG	EQPT	LOC	CODE	ELEM	IDENT	OPT
P5DS	03-34		1080 DATA SET	A		(5)

FS INFO

LEAD	DESIG	FUNC	TERM.	DESTINATION	NOTE	TERM.	MOD	LOC
+RS	0	2		TO CONN CKT				
+S5	1	3		TO CONN CKT				
+ZAST	PHR	1		5/7				
AL50	0	14		1/4				
BAB5	1	7		1/4				
	0	9		3/9				
				TO CONN CKT				
GR4	GRD	8		5/1				
L-24	PHR	20		5/4				
R5	01	16		3/9				
				TO CONN CKT				

SYMBOL NO. 3

PORT 5 DATA SET
(SEE NOTES 105 AND 106)

DESIG	EQPT	LOC	CODE	ELEM	IDENT	OPT
P5DS	03-34		1080 DATA SET	A		(5)

FS INFO

LEAD	DESIG	FUNC	TERM.	DESTINATION	NOTE	TERM.	MOD	LOC
RS4	1	10		1/4				
R50	1	4		1/4				
T5	01	15		3/10				
				TO CONN CKT				

SYMBOL NO. 4

PORT 5 TTY INTERFACE
(SEE NOTE 107)

DESIG	EQPT	LOC	CODE	ELEM	IDENT	OPT
P5TTYIF	03-34		AR17	A		(6)

FS INFO

LEAD	DESIG	FUNC	TERM.	DESTINATION	NOTE	TERM.	MOD	LOC
------	-------	------	-------	-------------	------	-------	-----	-----

SYMBOL NO. 5

PORT 6 DATA SET
(SEE NOTES 105 AND 106)

DESIG	EQPT	LOC	CODE	ELEM	IDENT	OPT
P6DS	03-37		1080 DATA SET	A		(5)

FS INFO

LEAD	DESIG	FUNC	TERM.	DESTINATION	NOTE	TERM.	MOD	LOC
+R6	0	2		TO CONN CKT				
+S6	1	3		TO CONN CKT				
+ZAST	PHR	1		5/7				
AL60	0	14		1/4				
BAB6	1	7		1/4				
	0	9		3/11				
				TO CONN CKT				

LEAD	DESIG	FUNC	TERM.	DESTINATION	NOTE	TERM.	MOD	LOC
GR4	GRD	8		5/1				
L-24	PHR	20		5/4				
R6	01	16		3/11				
				TO CONN CKT				
R60	1	10		1/4				
T6	1	4		1/4				
	01	15		3/11				
				TO CONN CKT				

(CONT)

SYMBOL NO. 6

PORT 6 TTY INTERFACE
(SEE NOTE 107)

DESIG	EQPT	LOC	CODE	ELEM	IDENT	OPT
P6TTYIF	03-37		AR17	A		(6)

FS INFO

LEAD	DESIG	FUNC	TERM.	DESTINATION	NOTE	TERM.	MOD	LOC
------	-------	------	-------	-------------	------	-------	-----	-----

SYMBOL NO. 7

PORT 7 DATA SET
(SEE NOTES 105 AND 106)

DESIG	EQPT	LOC	CODE	ELEM	IDENT	OPT
P7DS	03-40		1080 DATA SET	A		(5)

FS INFO

LEAD	DESIG	FUNC	TERM.	DESTINATION	NOTE	TERM.	MOD	LOC
+R7	0	2		3/12				
+S7	1	3		TO CONN CKT				
+ZAST	PHR	1		5/7				
AL70	0	14		1/4				
BAB7	1	7		1/4				
	0	9		3/12				
				TO CONN CKT				

LEAD	DESIG	FUNC	TERM.	DESTINATION	NOTE	TERM.	MOD	LOC
GR4	GRD	8		5/1				
L-24	PHR	20		5/4				
R7	01	16		3/12				
				TO CONN CKT				
R70	1	10		1/4				
T7	1	4		1/4				
	01	15		3/12				
				TO CONN CKT				

SYMBOL NO. 8

PORT 7 TTY INTERFACE
(SEE NOTE 107)

DESIG	EQPT	LOC	CODE	ELEM	IDENT	OPT
P7TTYIF	03-40		AR17	A		(6)

FS INFO

LEAD	DESIG	FUNC	TERM.	DESTINATION	NOTE	TERM.	MOD	LOC
------	-------	------	-------	-------------	------	-------	-----	-----

SYMBOL NO. 9

DESIG	EQPT	LOC	CODE	ELEM	IDENT	OPT
PORT 4	07-27		KS-19088,L14			

FS INFO

LEAD	DESIG	FUNC	TERM.	DESTINATION	NOTE	TERM.	MOD	LOC
+R9	1	3		3/1				
+SA	1	2		3/1				
AL40	1	8		1/4				

LEAD	DESIG	FUNC	TERM.	DESTINATION	NOTE	TERM.	MOD	LOC
BAB9	1	11		3/1				
GR4	GRD	7		5/1				
L-24	PHR	10		5/4				
R4	1	18		3/1				
R40	1	16		1/4				
S40	01	14		1/4				
T4	1	25		3/1				

SYMBOL NO. 10

DESIG	EQPT	LOC	CODE	ELEM	IDENT	OPT
PORT 5	07-34		KS-19088,L14			

FS INFO

LEAD	DESIG	FUNC	TERM.	DESTINATION	NOTE	TERM.	MOD	LOC
+R5	1	3		3/3				
+S5	1	2		3/3				
AL50	1	8		1/4				

LEAD	DESIG	FUNC	TERM.	DESTINATION	NOTE	TERM.	MOD	LOC
BAB5	1	11		3/3				
GR4	GRD	7		5/1				
L-24	PHR	10		5/4				
R5	1	18		3/3				
R50	1	16		1/4				
S50	01	14		1/4				
T5	1	25		3/3				

PART OF FS 3
SYMBOL(S) 1 2 3 4 5 6 7 8 9 10

TELETYPewriter CONTROLLER UNIT		DWG SIZE	ISSUE
		C2	6A
BELL LABORATORIES	SD-1C905-01	B3CA	

PART OF FS 3
LEFT TTY PORT CONNECTORS
(SEE NOTE 303)

SYMBOL NO. 11

DESIG	PORT	LOC	CODE	ELEM	OPT
PORT 6	06-27		KS-19088.114		

PS INFO

OP INFO

LEAD	FUNC	TERM.	DESTINATION	NOTE	TERM	LOC
DESIG					MOD	
+R6	I	3	3/3			
+R6	I	2	3/3			
AL60	I	8	1/4			
B486	I	11	3/3			
OPDA	OPD	7	5/1			
L-24	PAR	10	5/4			
R6	I	18	3/3			
R60	I	16	1/4			
R60	OT	14	1/4			
T6	I	25	3/3			

SYMBOL NO. 12

DESIG	PORT	LOC	CODE	ELEM	OPT
PORT 7	06-34		KS-19088.114		

PS INFO

OP INFO

LEAD	FUNC	TERM.	DESTINATION	NOTE	TERM	LOC
DESIG					MOD	
+R7	I	3	3/7			
+R7	I	2	3/7			
AL70	I	8	1/4			
B487	I	11	3/7			
OPDA	OPD	7	5/1			
L-24	PAR	10	5/4			
R7	I	18	3/7			
R70	I	16	1/4			
R70	OT	14	1/4			
T7	I	25	3/7			

PART OF FS 3
SYMBOL NO. 11 12

TELETYPEWRITER CONTROLLER UNIT

DWG SIZE

TITLE

2A

BELL LABORATORIES

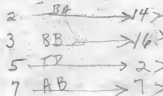
SD-10905-01

83CB

07/23/75

RIGHT TTYC PORT CONNECTORS
(SEE NOTE 305)
INTERCONNECTION AND FLOW DIAGRAM

1. CONNECTOR SHOWN IS FOR DATA SET OR AR17 CIRCUIT PACK.



TELETYPEWRITER CONTROLLER UNIT

20

SD- IC905-01

10

B4A

PART OF FS 4

RIGHT TTYC PORT CONNECTORS

SYMBOL/LEAD DESIGNATIONS

SYMBOL/LEAD

+R0-R3

+S0-S3

+24ST

AL00-AL30

BA00-BA30

GRDA

R-24

R0-R3

R00-R30

S00-S30

T0-T3

DEFINITION

TTY RECEIVE LEAD FOR CURRENT LOOP INTERFACED PORTS 0-3

TTY SEND LEAD FOR CURRENT LOOP INTERFACED, PORTS 0-3

SWITCHED +24V TO TTY CIRCUITS

ALARM SIGNAL FROM TTY, PORTS 0-3

TRANSMITTED DATA SIGNAL FOR EIA INTERFACED, PORTS 0-3

GROUND

+24V FOR RIGHT CONTROLLER

RING LEAD TO TELEPHONE LINE FOR REMOTE TTY OPERATION, PORTS 0-3

INCOMING DATA RECEIVED FROM TTY, PORTS 0-3

OUTGOING DATA TO BE SENT BY TTY, PORTS 0-3

TIP LEAD TO TELEPHONE LINE FOR REMOTE TTY OPERATION, PORTS 0-3

TELETYPEWRITER CONTROLLER UNIT		DWG SIZE C2	ISSUE 2A
BELL LABORATORIES		SD-1C905-01	9448

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07728/75

PART OF FS 4

RIGHT TTY PORT CONNECTORS
(SEE NOTE 305)

(CONT)

SYMBOL NO. 1
PORT 0 DATA SET
(SEE NOTES 105 AND 106)

DESIG	EOP	CODE	ELEM	OPT
POS	03-01	1080 DATA SET	A	(5)

FS INFO CP INFO

LEAD	DESIG	FUNC	TERM.	DESTINATION	NOTE	TERM.	MOD	LOC
+R0	0	2		TO CONN CXT	4/9			
+S0	1	3		TO CONN CXT	4/9			
+24ST	PMR	1		TO CONN CXT	5/7			
AL00	0	14		TO CONN CXT	2/4			
BAB0	0	9		TO CONN CXT	2/4			
GRDA	GRD	8		TO CONN CXT	5/1			
R-24	PMR	20		TO CONN CXT	5/4			
R0	01	16		TO CONN CXT	4/9			
R00	1	10		TO CONN CXT	2/4			
TO	01	15		TO CONN CXT	4/9			

SYMBOL NO. 2
PORT 0 TTY INTERFACE
(SEE NOTE 107)

DESIG	EOP	CODE	ELEM	OPT
PTTYIF	03-01	AR17	A	(6)

FS INFO CP INFO

LEAD	DESIG	FUNC	TERM.	DESTINATION	NOTE	TERM.	MOD	LOC
------	-------	------	-------	-------------	------	-------	-----	-----

SYMBOL NO. 3
PORT 1 DATA SET
(SEE NOTES 105 AND 106)

DESIG	EOP	CODE	ELEM	OPT
P105	03-04	1080 DATA SET	A	(5)

FS INFO CP INFO

LEAD	DESIG	FUNC	TERM.	DESTINATION	NOTE	TERM.	MOD	LOC
+R1	0	2		TO CONN CXT	4/10			
+S1	1	3		TO CONN CXT	4/10			
+24ST	PMR	1		TO CONN CXT	5/7			
AL10	0	14		TO CONN CXT	2/4			
BAB1	0	9		TO CONN CXT	2/4			
GRDA	GRD	8		TO CONN CXT	5/1			
R-24	PMR	20		TO CONN CXT	5/4			
R1	01	16		TO CONN CXT	4/10			

SYMBOL NO. 3
PORT 1 DATA SET
(SEE NOTES 105 AND 106)

DESIG	EOP	CODE	ELEM	OPT
P105	03-04	1080 DATA SET	A	(5)

FS INFO CP INFO

LEAD	DESIG	FUNC	TERM.	DESTINATION	NOTE	TERM.	MOD	LOC
R10	1	10		TO CONN CXT	2/4			
P10	1	4		TO CONN CXT	2/4			
T1	01	15		TO CONN CXT	4/10			

SYMBOL NO. 4
PORT 1 TTY INTERFACE
(SEE NOTE 107)

DESIG	EOP	CODE	ELEM	OPT
PTTYIF	03-04	AR17	A	(6)

FS INFO CP INFO

LEAD	DESIG	FUNC	TERM.	DESTINATION	NOTE	TERM.	MOD	LOC
------	-------	------	-------	-------------	------	-------	-----	-----

SYMBOL NO. 5
PORT 2 DATA SET
(SEE NOTES 105 AND 106)

DESIG	EOP	CODE	ELEM	OPT
P205	03-07	1080 DATA SET	A	(5)

FS INFO CP INFO

LEAD	DESIG	FUNC	TERM.	DESTINATION	NOTE	TERM.	MOD	LOC
+R2	0	2		TO CONN CXT	4/11			
+S2	1	3		TO CONN CXT	4/11			
+24ST	PMR	1		TO CONN CXT	5/7			
AL20	0	14		TO CONN CXT	2/4			
BAB2	0	9		TO CONN CXT	2/4			
GRDA	GRD	8		TO CONN CXT	5/1			
R-24	PMR	20		TO CONN CXT	5/4			
R2	01	16		TO CONN CXT	4/11			
R20	1	10		TO CONN CXT	2/4			
T2	01	15		TO CONN CXT	4/11			

SYMBOL NO. 6
PORT 2 TTY INTERFACE
(SEE NOTE 107)

DESIG	EOP	CODE	ELEM	OPT
P2TTY1	03-07	AR17	A	(6)

FS INFO CP INFO

LEAD	DESIG	FUNC	TERM.	DESTINATION	NOTE	TERM.	MOD	LOC
------	-------	------	-------	-------------	------	-------	-----	-----

SYMBOL NO. 7
PORT 3 DATA SET
(SEE NOTES 105 AND 106)

DESIG	EOP	CODE	ELEM	OPT
P305	03-10	1080 DATA SET	A	(5)

FS INFO CP INFO

LEAD	DESIG	FUNC	TERM.	DESTINATION	NOTE	TERM.	MOD	LOC
+R3	0	2		TO CONN CXT	4/12			
+S3	1	3		TO CONN CXT	4/12			
+24ST	PMR	1		TO CONN CXT	5/7			
AL30	0	14		TO CONN CXT	2/4			
BAB3	0	9		TO CONN CXT	2/4			
GRDA	GRD	8		TO CONN CXT	5/1			
R-24	PMR	20		TO CONN CXT	5/4			
R3	01	16		TO CONN CXT	4/12			
R30	1	10		TO CONN CXT	2/4			
T3	01	15		TO CONN CXT	4/12			

SYMBOL NO. 8
PORT 3 TTY INTERFACE
(SEE NOTE 107)

DESIG	EOP	CODE	ELEM	OPT
P3TTYIF	03-10	AR17	A	(6)

FS INFO CP INFO

LEAD	DESIG	FUNC	TERM.	DESTINATION	NOTE	TERM.	MOD	LOC
------	-------	------	-------	-------------	------	-------	-----	-----

SYMBOL NO. 9
PORT 0

DESIG	EOP	CODE	ELEM	OPT
PORT 0	07-11	K5-19088,L14		

FS INFO CP INFO

LEAD	DESIG	FUNC	TERM.	DESTINATION	NOTE	TERM.	MOD	LOC
+R0	1	3		TO CONN CXT	4/1			
+S0	1	2		TO CONN CXT	4/1			
AL00	1	8		TO CONN CXT	2/4			
BAB0	1	11		TO CONN CXT	4/1			
GRDA	GRD	7		TO CONN CXT	5/1			
R-24	PMR	10		TO CONN CXT	5/4			
R0	1	18		TO CONN CXT	4/1			
R00	1	16		TO CONN CXT	2/4			
S00	01	14		TO CONN CXT	2/4			
TO	1	25		TO CONN CXT	4/1			

SYMBOL NO. 10
PORT 1

DESIG	EOP	CODE	ELEM	OPT
PORT 1	07-18	K5-19088,L14		

FS INFO CP INFO

LEAD	DESIG	FUNC	TERM.	DESTINATION	NOTE	TERM.	MOD	LOC
+R1	1	3		TO CONN CXT	4/3			
+S1	1	2		TO CONN CXT	4/3			
AL10	1	8		TO CONN CXT	2/4			
BAB1	1	11		TO CONN CXT	4/3			
GRDA	GRD	7		TO CONN CXT	5/1			
R-24	PMR	10		TO CONN CXT	5/4			
R1	1	18		TO CONN CXT	4/3			
R10	1	16		TO CONN CXT	2/4			
S10	01	14		TO CONN CXT	2/4			
T1	1	25		TO CONN CXT	4/3			

PART OF FS 4
SYMBOL(S) 1 2 3 4 5 6 7 8 9 10

TELETYPEWRITER CONTROLLER UNIT		DWG SIZE C2	ISSUE 6A
BELL LABORATORIES	SD-1C905-01	B4CA	

08782/78

PART OF FS 4
RIGHT TTYC PWD CONNECTORS
(SEE NOTE 305)

SYMBOL NO. 11

DESIG	EQPT LOC	CODE	ELSH IDENT	OPT
PORT 2	06-11	KS-19088,L14		

FB INFO

CP INFO

LEAD DESIG	PLNC	TERM.	DESTINATION	NOTE	TERM. MOD	LOC
+R2	1	3	4/5			
+R2	1	2	4/5			
AL20	1	8	2/4			
BAB2	1	11	4/5			
GRDA	GRD	7	3/1			
R-24	PAR	10	3/4			
R2	1	18	4/5			
R20	1	16	2/4			
R20	OT	14	2/4			
T2	1	25	4/5			

SYMBOL NO. 12

DESIG	EQPT LOC	CODE	ELSH IDENT	OPT
PORT 3	06-18	KS-19088,L14		

FB INFO

CP INFO

LEAD DESIG	PLNC	TERM.	DESTINATION	NOTE	TERM. MOD	LOC
+R3	1	3	4/7			
+R3	1	2	2/7			
AL30	1	8	2/4			
BAB2	1	11	4/7			
GRDA	GRD	7	3/1			
R-24	PAR	10	3/4			
R3	1	18	4/7			
R30	1	16	2/4			
R30	OT	14	2/4			
T3	1	25	4/7			

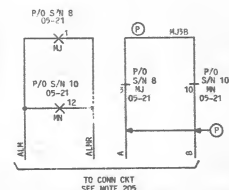
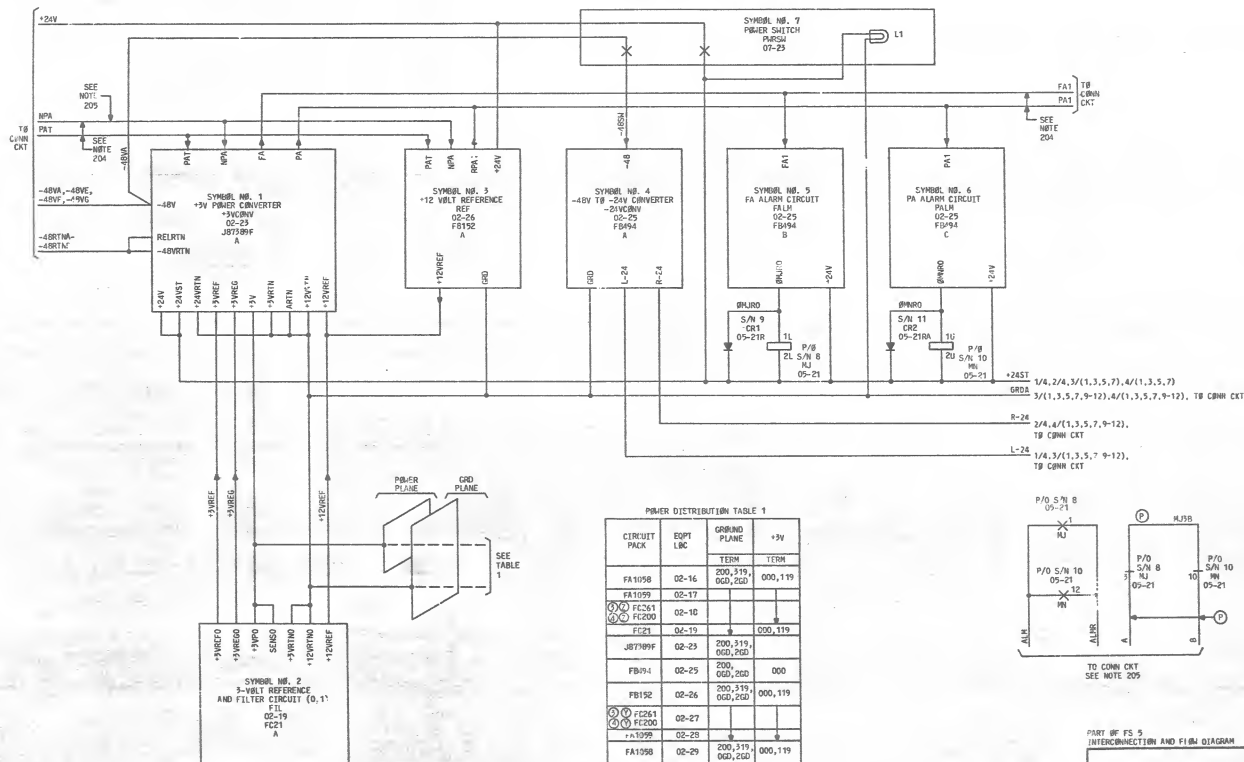
PART OF FS 4
SYMBOL NO. 11 12

TELETYPE/ITER CONTROLLER UNIT		DWG SIZE A	ISSUE 2A
BELL LABORATORIES	SD-1C905-01	84CB	
PRINTED IN U. S. A.		67723775	

PART OF FS 5

POWER AND ALARMS
INTERCONNECTION AND FIRM DIAGRAM

NOTES:
1. S/N = SYMBOL NUMBER.



PART OF FS 5
INTERCONNECTION AND FIRM DIAGRAM

TELETYPEWRITER CONTROLLER UNIT		DWG SIZE AS	ISSUE 7AC
BELL LABORATORIES	SD-IC905-OI	B5AA	

PART OF FS 5

POWER AND ALARMS

SYMBOL/LEAD DESIGNATIONS

SYMBOL/LEAD DESIGNATIONS	DEFINITION
WNE20N1C	+12V REFERENCE
+12WREF	SWITCHED +24V TO TTVC CIRCUITS
+24ST	+24V INPUT
+24V	+48V RETURN
-48RTN(A-F)	SWITCHED -48 TO TTVC CIRCUITS
-48SW	+48V INPUT
-48VA	+48V INPUT
-48V(CE-G)	TTVC POWER ALARM LOOP
ALN,ALNR	FUSE ALARM
FA1	GROUND
GRDA	-24V FOR LEFT CONTROLLER
L-24	NO POWER ALARM
NPA	OPERATE MAJOR ALARM RELAY
OMRO	OPERATE MINOR ALARM RELAY
OMNR0	POWER ALARM
PA	POWER ALARM TEST
PAT	POWER ALARM
PA1	-24V FOR RIGHT CONTROLLER
R-24	+3V INPUT
+3V	+3V REFERENCE
+3WREF	+3V REGULATE
+3VREG	

TELETYPEWRITER CONTROLLER UNIT

DWG SIZE
CZ

ISSUE
ZA

BELL LABORATORIES

SD-1C905-01

95AB

ISSUED TO D. D. C.

07723775

POWER AND ALARMS

•3V POWER CONVERTER

[illegible]

+3V POWER CONVERTER

DESIG	LOC	CODE	IDENT	
+5VDCIN	02-23	J8789F	A	
----- FB INFO -----				
LEAD	FUNC	TERM.	DESTINATION	NOTE
DATA	1	204		
	GRD	202		201
	GRD	220		201
	GRD	111		201
NPA	1	315	5/3	204
			TO COMM CKT	
PAT	1	312	5/3	204
			TO COMM CKT	
PA1	OT	313	5/3	204
	1		TO COMM CKT	

3-VOLT REFERENCE AND FILTER CIRCUIT(0,1)

DESIG	EOP LOC	CODE	ELM IDENT
FIL	02-19	FC21	A

----- PS INFO -----

LEAD DESIG	FUNC	TERM	DESTINATION	NOTE
		019		+
		212		+
		213		+
		214		+
		215		+
		216		+
		217		+
		218		+
		219		+
		018		+
		112		+
		113		+

3-VOLT REFERENCE AND FILTER CIRCUIT(0,1)

DESIG	LOC	CODE	ELUT
FILE	02-19	FC21	IDENT
A			
PS INFO			
LEAD	PLNC	TERM.	DESTINATION
DESIG			NOTE
		012	+
		015	+
		307	+
		306	+
		304	+
		206	+
		305	+
		308	+
		207	+
		205	+
		204	+
		352	+
		301	+
		300	+
		203	+
		202	+
+12VREF	QIT	109	3/3 5/1
+3V	PAR	119	5/1
	I	329	5/1
	PAR	003	201
	PAR	004	
	PAR	005	
	PAR	006	
	PAR	007	
	PAR	002	
	PAR	001	
	PAR	000	201
+3VREF	O	009	3/1
	O	008	5/1
GRDA	OT	108	5/1
	GRD	319	5/1
	GRD	100	201
	GRD	101	
	GRD	102	
	GRD	103	
	GRD	104	
	GRD	105	
	GRD	106	
	GRD	107	
	GRD	200	201
	GRD	203	201
	GRD	200	201

+12 VOLT REFERENCE

DEB10	LOC	CODE	IDENT	OPT		
REF		FB152	A			
FS INFO			CP INFO			
LEAD	FLNC	TERML	DESTINATION	NOTE	TERML	LOC
		004			12REF1	
		014			12REF1	
		005			12REF1	
		214			12REF1	
		213			12REF1	
		212			12REF1	
		211			12REF1	
		007			12REF1	
		007			12REF1	
		006			12REF1	
		208			12REF1	
		017			12REF1	
		206			12REF1	
		209			12REF1	
		012			12REF1	
		009			12REF1	
		002			+24W	
		210			12REF1	
		013			12REF1	
		011			12REF1	
		008			12REF1	
		010			12REF1	
		217			12REF2	
		205			12REF1	
+12WREF	OT		5/2			
+24W	PWR	018	5/1	TO COMM OCT	+24W	
+3V	PWR	218	5/1		+24W	
	PWR	119				
	PWR	000				
GNDA	GRD	000	5/1		201	
	GRD	010			201	
	GRD	200			201	
	GRD	019			201	
	GRD	000			201	
						GRD
MFA	I	201	5/1		MFA	
PAT	I	015	5/1		PAT	
PA1	OT	203	5/1		PA1	
3V0G226B	GRD	304				
	GRD	302				
	GRD			TO COMM OCT		
	GRD	306				GRD
	+24W	204				
	GRD	202				
	GRD	305				

PART OF FS 5
SYMBOL(S) 1 2 3

TELETYPEWRITER CONTROLLER UNIT

DWG 812

ISSUE

BELL LABORATORIES

SD-1C905-01

85CA

PRINTED IN U. S. A.

07123173

PART OF FS 5

POWER AND ALARMS

SYMBOL NO. 4
-48V TO -24V CONVERTER

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
-24VCONV	GC-25	FB494	A	

FS INFO

CP INFO

LEAD DESIG	FUNC	TERM.	DESTINATION	NOTE	TERM. MOD	LOC
-24V	PHR	000	5/1	201		
-48SM	I	002	5/4		-48	ZGD
	I	201	5/4		-48	ZGD
GRDA	I	202	5/7	201	-48	ZGD
	GRD	000	5/1			
	GRD	ZGD	5/1			
GRD	200	5/1		201	GRD	ZGI
GRD	219	5/1			GRD	ZGI
L-24	PHR	004	5/4			
						TO CONN CKT
	PHR	005	5/4		L-24	ZGS
			1/4, 3/1			
			3/3, 3/5			
			5/7, 5/9			
			3/10, 3/11			
			3/12			
R-24	PHR	016	5/4			
						TO CONN CKT
	PHR	018	5/4		R-24	ZGS
			2/4, 4/1			
			4/3, 4/5			
			4/7, 4/9			
			4/10, 4/11			
			4/12			

SYMBOL NO. 5
FA ALARM CIRCUIT

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
FALM	OZ-25	FB494	B	

FS INFO

CP INFO

LEAD DESIG	FUNC	TERM.	DESTINATION	NOTE	TERM. MOD	LOC
-24ST	PHR	010	5/7		-24	ZGI
FAT	I	008	5/1		FAT	ZAS
ORURO	O	206	5/6, 5/9		ORURO	ZSB

SYMBOL NO. 6
PA ALARM CIRCUIT

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
PALM	OZ-25	FB494	C	

FS INFO

CP INFO

LEAD DESIG	FUNC	TERM.	DESTINATION	NOTE	TERM. MOD	LOC
-24ST	PHR	214	5/7		-24	ZGI
ORURO	O	211	5/10, 5/11		ORURO	ZSB
PAI	I	012	5/1		PAI	ZAS

SYMBOL NO. 7
POWER SWITCH

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
PMSW	OZ-25	C-H SB10EV431-6		

FS INFO

CP INFO

LEAD DESIG	FUNC	TERM.	DESTINATION	NOTE	TERM. MOD	LOC
-24ST	PHR	08	5/7			
	PHR	4	1/4, 2/4			
			3/1, 3/3			
			3/5, 3/7			
			4/1, 4/3			
			4/5, 4/7			
			5/1, 5/5			
			5/6, 5/8			
			5/9, 5/10			
			7/11			
-24V	PHR	5	5/3			
-48SM	I	1	5/4			
-48VA	PHR	2	5/1			
GRDA	GRD	N	5/1			

SYMBOL NO. 8

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
RJ	OZ-21	AK38		

FS INFO

CP INFO

LEAD DESIG	FUNC	TERM.	DESTINATION	NOTE	TERM. MOD	LOC
-24ST	PHR	2L	5/7			
A	I	3	TO CONN CKT	205		
ALM	I	1H	5/10			
ALM	I	1	5/10			
MJ36	I	3B	(P)5/10			
ORURO	I	1L	5/5			

SYMBOL NO. 9

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
CR1	OZ-21R	458A		

FS INFO

CP INFO

LEAD DESIG	FUNC	TERM.	DESTINATION	NOTE	TERM. MOD	LOC
-24ST	PHR	2	5/7			
ORURO	I	1	5/3			

SYMBOL NO. 10

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
RN	OZ-21	AK38		

FS INFO

CP INFO

LEAD DESIG	FUNC	TERM.	DESTINATION	NOTE	TERM. MOD	LOC
-24ST	PHR	2U	5/7			
ALM	I	12R	5/8	205		
			TO CONN CKT			
			TO CONN CKT			
B	I	10	TO CONN CKT	205		
MJ38	I	10B	(P)5/8			
ORURO	I	10	5/6			

SYMBOL NO. 11

DESIG	EQPT LOC	CODE	ELEM IDENT	OPT
CR2	OZ-21RA	458A		

FS INFO

CP INFO

LEAD DESIG	FUNC	TERM.	DESTINATION	NOTE	TERM. MOD	LOC
-24ST	PHR	2	5/7			
ORURO	I	1	5/6			

PART OF FS 5
SYMBOL(S) 4 5 6 7 8 9 10 11

TELETYPEWRITER CONTROLLER UNIT		DWG SIZE C2	ISSUE SAC
BELL LABORATORIES		SD-1C905-01	
		85CB	88/02774

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CIRCUIT NOTES:

101.

DESIG	FUSE AMP	POTENTIAL	ONE PER
+24V	2	+24	APP FIG. 1
-48V (A, E-5) 2	2	-48	
BATTERY SYMBOL			
VOLTAGE RANGE			
+24		20.75 - 26.25	
-48		42.75 - 52.5	

X UNIT LEADS SHALL BE MECHANICALLY INTERCONNECTED ON USER'S CONNECTING CIRCUIT VIA 9426 TYPE BERG CONNECTOR OR EQUIVALENT.

102.

FEATURE OR OPTION		PROVIDE
APP FIG.	OR QTY	QUANTITY
WIRED TTY CONTROLLER UNIT	1	1 PER CXT
REQUIRED APPARATUS FOR OPERATIONAL CONTROLLER	RIGHT TTYC	2
TTYC ARRANGED FOR MATE OPERATION	LEFT TTYC	2
TTYC ARRANGED FOR NON MATE OPERATION	RIGHT TTYC	2
TTYC ARRANGED FOR NON MATE OPERATION	LEFT TTYC	2
OPERATION WITH REMOTE TTY	5	5 1 PER PORT
OPERATION WITH LOCAL CURRENT LOOP TTY	6	6 1 PER PORT
BAUD RATE SELECTION ¹ (SEE NOTE 109)		
11-BIT SIGNALING (SEE NOTE 108)		
10-BIT SIGNALING (SEE NOTE 108)		
FOR TTYC MOUNTED IN FRAMES OTHER THAN MAINTENANCE FRAME	1	1 P 1 PER CXT
REQ'D APP FOR OPERATIONAL CONTROLLER (SEE NOTE 110)	NO. 3 ESS	2
AUX PRODC	RIGHT	N
	LEFT	N

X NONRECORD OPTION

RECORD OF FIGURES, WIRING AND APPARATUS CHANGES			
CHANGED ON ISSUE	FIG. AND TTYC RECORDS DO NOT SPECIFY	OPTION WAS FURN	USE IN CIRCUIT
			STD AM MD
4A			X X
4A			X X
4A			V X
4A			U X
4A			T X
4A			S X
4A			R X
4A			P
7AC	N OR K	N	N, K
7AC	J OR K	K	J, K

X NONRECORD OPTION

CIRCUIT NOTES: (CONT)

105. THE 1000 DATA SET IS NORMALLY USED AT THE CENTRAL OFFICE END OF THE PRIVATE LINE DATA SET LOOP FOR REMOTE OPERATION. A 1000 DATA SET, OR EQUIVALENT, IS USED AT THE REMOTE END OF THE LOOP.

106. THE 1000 DATA SET USED FOR REMOTE OPERATION SHALL BE ARRANGED WITH OPTIONS 1, 2, 3, 4, 5. THIS REQUIRES THE FOLLOWING SCREW SWITCH SETTINGS:

OPEN - A1-2, A3-4, C1-2, C3-4, D1-2, D2-3

CLOSED - A2-3, C2-3, D3-4

AND THE FOLLOWING FACEPLATE SWITCH SETTINGS:

TL-M, RL-M, DE-M

107. THE 8017 CIRCUIT PACK USED FOR LOCAL CURRENT LOOP OPERATION SHALL BE ARRANGED WITH OPTIONS K, S, R, K AND J. THIS REQUIRES THE FOLLOWING SCREW SWITCH SETTINGS:

OPEN - A1, A3, A7, B1, B5, B12

CLOSED - A2, A4, A5, A7, B4, B6, B10

108. OPTION 10 SHALL BE FOR 10-BIT SIGNALING ON THE LEFT CONTROLLER, EQ. 02-28, BY GROUNDING TERMINAL 206 (LEFT) TO TERMINAL 205.

OPTION 10 SHALL BE FOR 11-BIT SIGNALING ON THE LEFT CONTROLLER, EQ. 02-28, BY LEAVING TERMINAL 206 (LEFT) OPEN.

OPTION 10 SHALL BE FOR 10-BIT SIGNALING ON THE RIGHT CONTROLLER, EQ. 02-17, BY GROUNDING TERMINAL 206 (RIGHT) TO TERMINAL 205.

OPTION 10 SHALL BE FOR 11-BIT SIGNALING ON THE RIGHT CONTROLLER, EQ. 02-17, BY LEAVING TERMINAL 206 (RIGHT) OPEN.

109. BAUD RATES OF 110, 150, 300, 600 AND 1200 ARE SELECTED AS FOLLOWS:

LEFT CONTROLLER	CONNECT					
	OPT	DATE	NET	EQ.	TERM.	TO
LEFT CONTROLLER	110	LC1111	02-28	207	LC1111	02-28 310
	110	LC1111	02-28	106	LL1111	02-28 215
	150	LB1111	02-28	106	LL1111	02-28 215
	300	L300C1	02-28	007	LL1111	02-28 215
	600	L600C1	02-28	306	LL1111	02-28 215
RIGHT CONTROLLER	1200	LL1111	02-27	204	LL1111	02-28 215
	110	RC1111	02-17	207	RC1111	02-17 310
	110	RC1111	02-17	306	RL1111	02-17 215
	150	RB1111	02-17	106	RL1111	02-17 215
	300	R300C1	02-17	007	RL1111	02-17 215
	600	R600C1	02-17	306	RL1111	02-17 215
	1200	RL1111	02-18	204	RL1111	02-17 215

110. PRIOR TO ISSUE 7AC OPTION N WAS PART OF OPTION Y AND OPTION K WAS PART OF OPTION Z.

EQUIPMENT NOTES:

201. WIRING SHALL BE PRINTED WIRING PLANES LOCATED ON MULTILAYER PRINTED WIRING BOARD, EDAC017-30.

202. FOR LOCAL CURRENT LOOP OPERATION THE DC RESISTANCE OF THE LOOP BETWEEN THE TTY AND THE TTYC SHALL NOT EXCEED 40 OHMS.

203. EIA SIGNAL LEADS SHALL NOT EXCEED 50 FEET IN LENGTH.

204. CONNECT THESE LEADS FOR TTYC UNITS EQUIPPED IN THE MAINTENANCE FRAME.

205. CONNECT THESE LEADS FOR TTYC UNITS EQUIPPED IN THE MISCELLANEOUS FRAME.

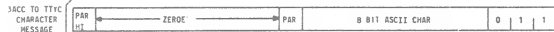
206. LEADS THAT CONNECT PORTS IN MATED TTYC'S SHALL NOT EXCEED 15 FEET IN LENGTH.

207. CONNECTION OF THE PAT LEAD 1' NON-MAINTENANCE FRAME APPLICATIONS IS A SPECIFIC 5-STEP OPTION.

TELETYPEWRITER CONTROLLER UNIT		DWG SIZE	ISSUE
		4.5	7AC
DELL LABORATORIES	SD-1C905-01	DI	

301. UNLESS OTHERWISE SPECIFIED:
VALUES PRECEDED BY THE SYMBOL + (PLUS) OR
- (MINUS) ARE IN VOLTS.

GENERAL FORM SERIAL I/O MESSAGE	PAR H ₂								HIGH DATA FIELD								PAR LOW								LOW DATA FIELD								ST. CODE		
	7	6	5	4	3	2	1	0	7	6	5	4	3	2	1	0	7	6	5	4	3	2	1	0	2	1	0								



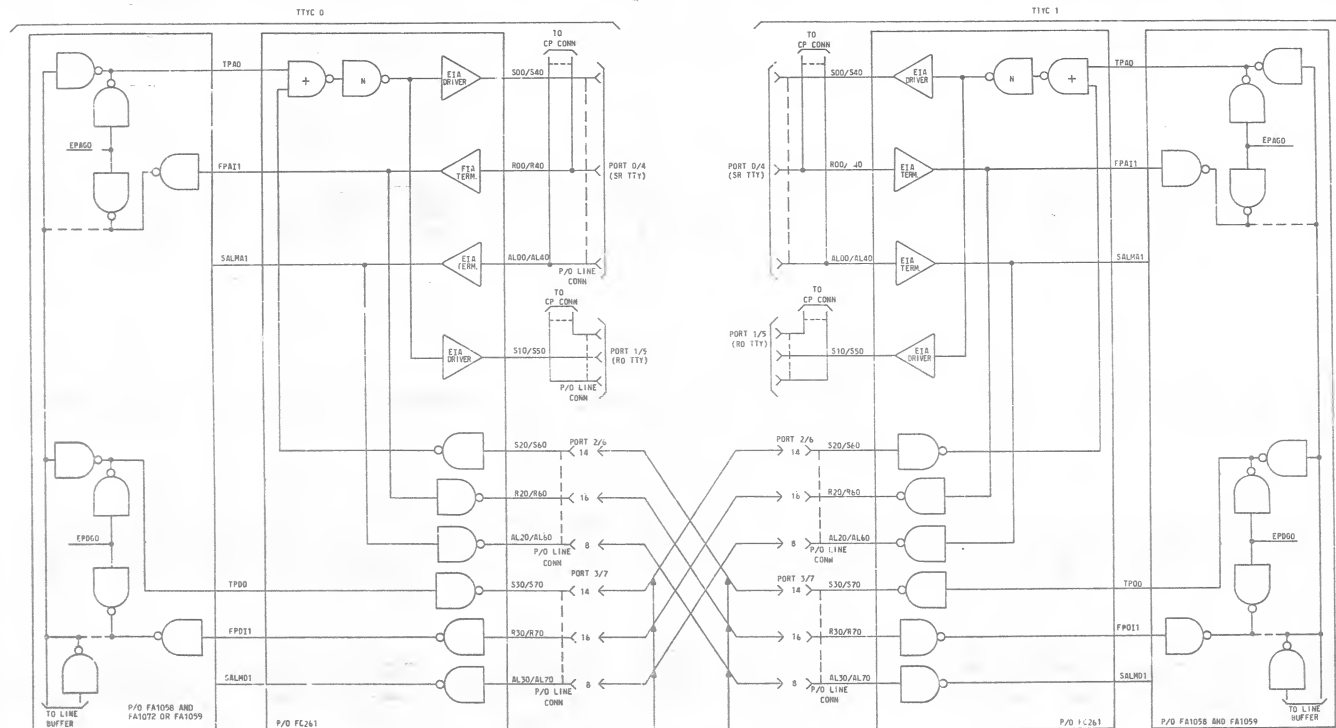
	INCOMING STATUS			TTC ACTION			OUTGOING MSG.		
	I N C O M P A R I T Y	C H A R A C T E R C O D E	T Y P E R E C O D E	C A R R I E R S T A T U S	O U T P U T C H A R A C T E R T Y P E	C L E A R R E C O D E	R C	D A T A	S T C
A	011	NO	NO	NO	NO	NO	001	STATUS	101
C	↓	YES	YES	↓	NO	↓	↓	↓	↓
C	↓	YES	YES	↓	NO	↓	↓	↓	↓
O	101	NO	NO	↓	NO	↓	↓	↓	↓
F	↓	NO	YES	↓	YES	↓	↓	↓	↓
G	↓	YES	YES	↓	YES	↓	↓	↓	↓
I	GOOD	011	NO	NO	NO	NO	010	STATUS	101
N	↓	YES	YES	↓	NO	↓	↓	↓	↓
J	↓	YES	YES	↓	NO	↓	↓	↓	↓
K	↓	YES	YES	↓	NO	↓	011	CHAR	011
L	101	NO	NO	YES	NO	NO	010	CHAR	101
M	↓	YES	YES	↓	NO	↓	010	STATUS	101
N	↓	YES	YES	↓	NO	↓	100	STATUS	101
P	↓	YES	YES	↓	YES	↓	010	CHAR	011
P	↓	YES	YES	↓	YES	↓	100	CHAR	011

M = MARK
S = SPACE
M/S = MARK OR SPACE

DATA RATE BAUD	BIT TIME T1 msec	CHARACTER TIME (msec)		LINE TIME CLOCK PERIOD msec
		1 STOP BIT T2	2 STOP BITS T3	
110	9.1207	91.29	100.42	55.6988
150	6.6590	66.59	73.03	25.9336
300	3.3195	33.20	36.52	12.9660
600	1.6598	16.60	18.26	6.4834
1200	0.8299	8.30	9.13	3.2417

INFORMATION NOTES: (CONT)
305.

TTYC'S ARRANGED FOR MATE OPERATION (OPTION 33)⁴



⁴ MATE OPERATION IS ACHIEVED BY INTERCONNECTING PORTS 2 AND 3 OR PORTS 6 AND 7 OF ONE TTYC WITH PORTS 2 AND 3 OR PORTS 6 AND 7 OF ANOTHER TTYC AS SHOWN. TTY CONNECTIONS ARE AVAILABLE FROM PORTS 0 AND 1 WHEN PORTS 2 AND 3 ARE USED IN THE CROSS CONNECTION. TTY CONNECTIONS ARE AVAILABLE FROM PORTS 4 AND 5 WHEN PORTS 6 AND 7 ARE USED IN THE CROSS CONNECTION. NOTE THAT PORTS 1 AND 5 ARE SEND ONLY.

SEE NOTE 204

TELETYPEWRITER CONTROLLER UNIT		DMG SIZE AS	ISSUE TAC
BELL LABORATORIES		SD-IC905-OI	D3

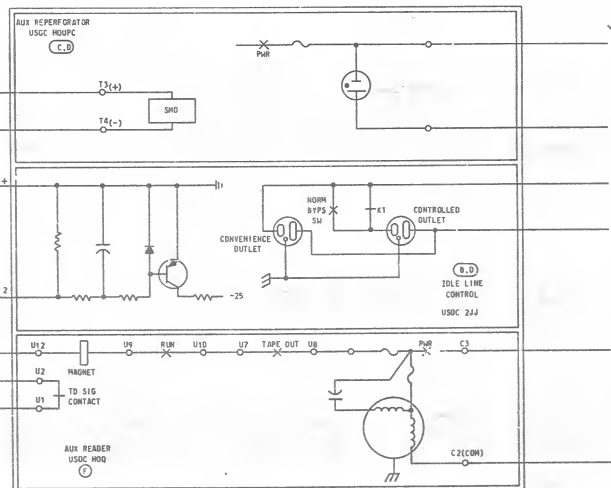
NO. 28 AND NO. 3 ESS LOCAL MAINTENANCE MODEL 35 TELETYPEWRITER
WITH OPTIONAL TONE LINE CONTROL, AUXILIARY READER,
AUXILIARY SUPERFONATOR AND KEYBOARD BLIND (FEATURE)
SEE NOTES 1, 2 & 3.



1. OPTIONS SHOWN IN THIS INFORMATION NOTE ARE AS FOLLOWS:

- (A) TTY WITHOUT IDLE LINE CONTROL OR AUX REPEXFATOR
- (B) TTY WITH ILC AND WITHOUT AUX REPEXFATOR
- (C) TTY WITH AUX REPEXFATOR AND WITHOUT ILC
- (D) TTY WITH AUX REPEXFATOR AND WITH ILC
- (E) TTY WITHOUT AUX READER
- (F) TTY WITH AUX READER

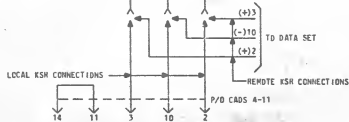
2. PROTECTED AC IS REQUIRED FOR TTY OR ILC.
AC FOR AUX READER AND AUX REPERFORATOR AS SPECIFIED BY USER.
3. P/O MAINTENANCE FRAME IRCUIT (SD-1C912-01) OPTION X



115V AC
(SEE NOTE 2)

TELETYPEWRITER CONTROLLER UNIT			DWG SIZE 6S	ISSUE 7AC
BELL LABORATORIES	SD-1C905-01		D4	

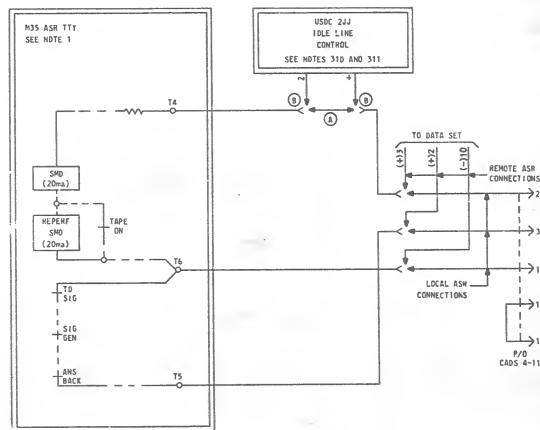
307, NO. 7B AND NO. 3 ESS NO.1 MAINTENANCE MODEL 35 KSH TELETYPEWRITER INTERFACE.



1. PROTECTED AC AS REQUIRED BY USER.

2. OPTIONS FOR THIS INFORMATION NOTE ARE AS FOLLOWS:
- (A) WITHOUT IDLE LINE CONTROL
 - (B) WITH IDLE LINE CONTROL
 - (C) WITHOUT AUX HEADER OR AUX REPERFORATOR
 - (D) WITH AUX HEADER ONLY
 - (E) WITH AUX REPERFORATOR ONLY
 - (F) WITH AUX HEADER AND AUX REPERFORATOR

308. NO. 28 AND NO. 3 ESS MODEL 35 ASH TELETYPEWRITER INTERFACE.

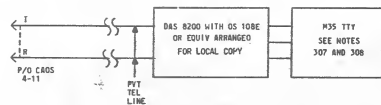


1. PROTECTED AC AS REQUIRED BY USER.

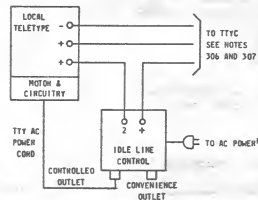
2. OPTIONS FOR THIS INFORMATION NOTE ARE AS FOLLOWS:
- (A) WITHOUT IOLE LINE CONTROL
- (B) WITH IOLE LINE CONTROL

TELETYPEWRITER CONTROLLER UNIT			ENG. SIZE	ISSUE
			AS	3D
BELL LABORATORIES	SD-1C905-OI			D5

309. REMOTE TTY ARRANGEMENT

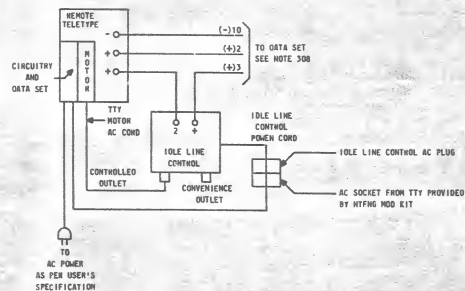


310. LOCAL TELETYPE WITH 2JJ IDLE LINE CONTROL



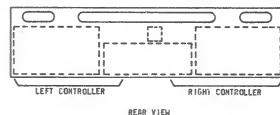
* PER USER'S SPECIFICATIONS EXCEPT WHEN USED IN CONJUNCTION WITH LOCAL MAINTENANCE TTY. IN THAT CASE PROTECTED AC IS REQUIRED.

311. REMOTE TELETYPE WITH 24J IOLE LINE CONTROL (REQUIRES HTFNG OPTION)



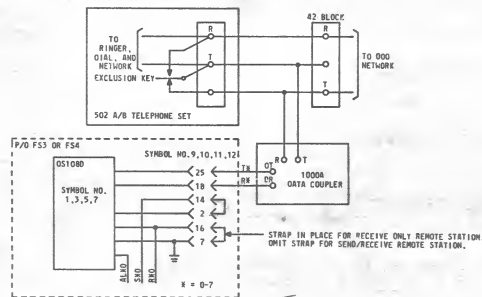
INFORMATION NOTES: (CONT)

312. LEFT AND RIGHT CONTROLLERS WITHIN THE ITYC UNIT SHALL BE DEFINED AS FOLLOWS:

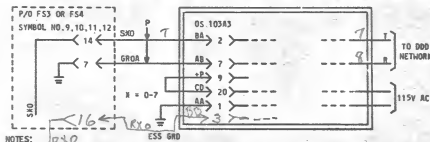


313. TYPICAL CONNECTION TO DOD NETWORK

A. USING INTERNAL 108 DATA SET



B. USING EXTERNALLY MOUNTED 103A3 DATA SET (FOR OPERATION WITH RECEIVE ONLY REMOTE STATION)

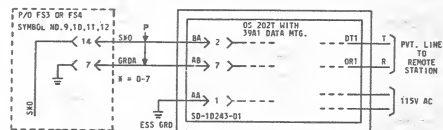


NOTES: 1230 CSS GRD

1. 103A3 DATA SET SHALL CONTAIN A 101E5 DATA SET WITH OPTIONS AS FOLLOWS:
A, H, M, Q, S, T AND X. SEE BSP 591-025-201.
2. TEL SET FOR 103A3 MUST BE ORDERED SEPARATELY. SEE BSP 591-014-201.
3. PROTECTED AC IS RECOMMENDED.

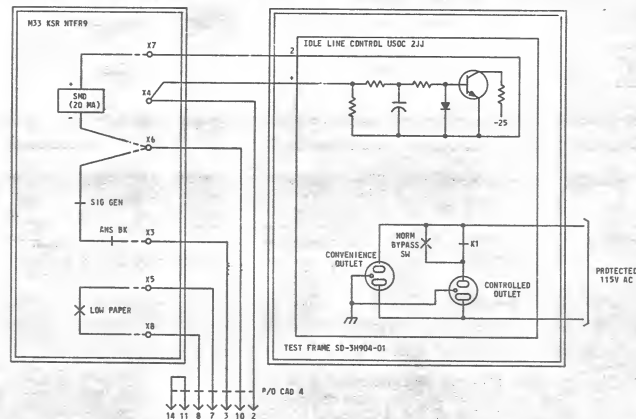
TELETYPEWRITER CONTROLLER UNIT.			
		DWG SIZE A5	ISSUE 4A
BELL LABORATORIES	SD-1C905-01		D6

314. TYPICAL CONNECTION FOR PRIVATE LINE OPERATION WITH DATA SET 202T TO A RECEIVE ONLY REMOTE STATION (E.G. EAGRS).

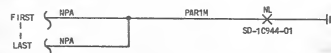
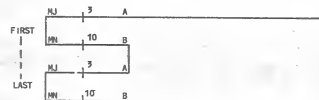
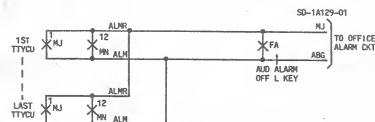


NOTE: 202T2T ARRANGED FOR THE FOLLOWING OPTIONS:
A, E, H, N, Z, 20, 21, 22, 23, WITH 2X OR 20 AS REQD FOR 4 WIRE OR 2 WIRE OPERATION RESPECTIVELY.
X = FACTORY FURNISHED

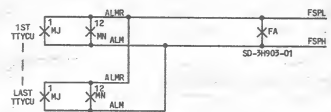
315. NO. 9 ESS LOCAL MAINTENANCE MODEL 33 TELETYPEWRITER WITH IDLE LINE CONTROL



316. RECOMMENDED ALARM AND ALARM RESET CONNECTIONS WHEN THE TTYCU'S ARE INSTALLED IN A NO. 29 ESS MISCELLANEOUS OR SIMILAR FRAME.

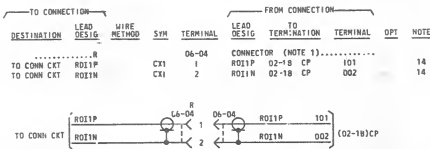


317. RECOMMENDED ALARM AND ALARM RESET CONNECTIONS WHEN THE TTYCU'S ARE INSTALLED IN A NO. 9 ESS MISCELLANEOUS OR SIMILAR FRAME.

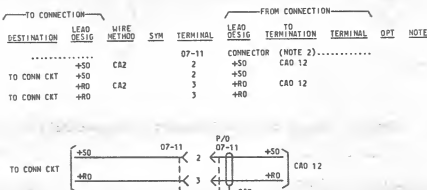


TELETYPEWRITER CONTROLLER UNIT		DWG. SIZE	ISSUE
(2)		85	SAC
BELL LABORATORIES	SD-1C905-01	D7	

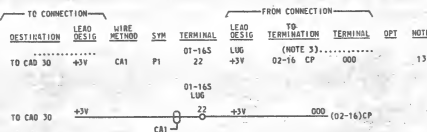
NOTES:
1. THE FOLLOWING SHOWS THE SYMBOLIC EQUIVALENT OF THE TABULAR REPRESENTATION.



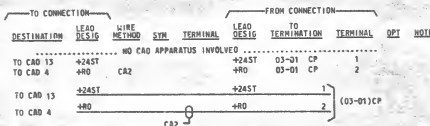
2. THE FOLLOWING SHOWS THE SYMBOLIC EQUIVALENT OF THE TABULAR REPRESENTATION.



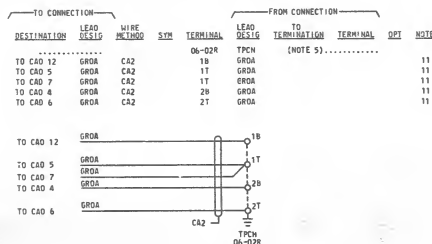
3. THE FOLLOWING SHOWS THE SYMBOLIC EQUIVALENT OF THE TABULAR REPRESENTATION.



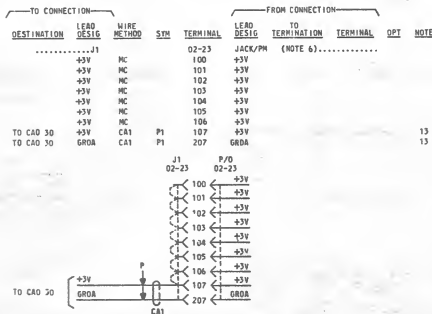
4. THE FOLLOWING SHOWS THE SYMBOLIC EQUIVALENT OF THE TABULAR REPRESENTATION.



5. THE FOLLOWING SHOWS THE SYMBOLIC EQUIVALENT OF THE TABULAR REPRESENTATION.



6. THE FOLLOWING SHOWS THE SYMBOLIC EQUIVALENT OF THE TABULAR REPRESENTATION.



7. UNIT CABLES ARE DEFINED AS FOLLOWS:

CABLE NO.	CODE
CA1	ED4C020-10,62
CA2	ED4C020-10,61

8. THE FOLLOWING CODES OF CONNECTORS ARE USED:

DESIGNATION	CODE
J1	943R
J2	943S

9. UNLESS OTHERWISE SPECIFIED, A/L CAD WIRING SHALL BE 26 GA, BW.

10. WIRING SHALL BE KS-21336, 28 GA, MILENE INSULATION.

11. WIRING SHALL BE 24 GA, BW.

12. WIRING SHALL BE 24 GA, BW.

13. WIRING SHALL BE KS-13385, 16 GA PAIR, STRANDED.

14. WIRING SHALL BE KS-21112, L2, 30 GA 100 OHM COAX.

TELETYPEWRITER CONTROLLER UNIT

BELL LABORATORIES

SD-1C905-01

DWG SIZE

65

ISSUE

2A

GBI

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		ELMENT IDENTIFIER		A		TTC PAIR			
		TERM. MODIFIER	FUNC	ACCESS TECH.	FS TECH.	LOC FS/SYM	NOTE		
B	+24V	P		02-26-307	02-26-018	5/3			
	+24V	P		02-26-308	02-26-018	5/3			
	+24V	P		02-26-309	02-26-018	5/3			
	-48VTA	I		02-23-016	02-23-016	5/1			
	-48VTC	I		02-23-015	02-23-016	5/1			
	-48VTC	I		02-23-014	02-23-014	5/1			
C	-48VTD	I		02-23-114	02-23-114	5/1			
	-48VTE	I		02-23-115	02-23-115	5/1			
	-48VTE	I		02-23-116	02-23-116	5/1			
	-48VA	P		02-23-019	02-23-017	5/1			
	-48VB	P		02-23-017	02-23-017	5/1			
	-48VTE	P		02-23-018	02-23-017	5/1			
D	-48VE	I		02-23-117	02-23-117	5/1			
	-48VF	I		02-23-118	02-23-118	5/1			
	-48V	I		02-23-120	02-23-120	5/10			
	ALR	I		02-23-119	02-23-119	5/10			
	FA1	O		02-26-301	02-23-314	5/1			
	FA2	O		02-26-302	02-23-315	5/1			
D	GDA	G		02-23-315	02-23-319	5/1			
	WPA	I		02-26-201	02-23-312	5/1			
	PA1	I		02-26-303	02-23-312	5/1			
	PA1	O		02-26-303	02-23-313	5/1			
	PA1	O		02-26-303	02-23-314	5/1			
	3YD02248	G		02-26-204	02-26-200	5/3			

ELMENT IDENTIFIER						
B						
TYTC RIGHT PORT CONNECTIONS						
TERM.	LOC	FLWC	ACCESS	FS	LOC	NOTE
TERMIN.	LOC	FLWC	ACCESS	FS	LOC	NOTE
H0	O	07-11-3		03-01-2	4/1	
H1	O	07-13-3		03-02-2	4/3	
H2	O	06-11-3		03-07-2	4/5	
H3	O	06-10-3		03-10-2	4/7	
H4	I	07-12-2		03-01-3	4/1	
H5	I	07-10-2		03-04-3	4/3	
S2	I	06-11-2		03-07-3	4/5	
S3	I	06-10-2		03-10-3	4/7	
A0	O	07-11-3		02-18-107	2/4	
A10	I	07-10-8		02-18-116	2/4	
A20	I	06-11-8		02-18-015	2/4	
A30	I	06-11-8		02-18-014	2/4	
BAB0	O	07-10-11		03-01-9	4/1	
BAB1	O	07-10-11		03-04-9	4/3	
BAB2	O	06-11-11		03-09-9	4/5	
BAB3	O	06-10-11		03-10-9	4/7	
G	G	07-11-7		02-23-319	5/1	
GFA	G	07-10-7		02-23-319	5/1	
GFA	G	06-10-7		02-23-319	5/1	
GFA	G	06-11-7		02-23-319	5/1	
GFA	G	07-11-10		02-23-016	5/4	
R-24	P	06-11-10		02-23-016	5/4	
R-24	P	06-10-10		02-23-016	5/4	
R-24	P	07-10-10		02-23-016	5/4	
RO	O	07-11-18		03-01-16	4/1	
R0	I	07-11-18		03-01-16	4/1	
R1	I	07-13-8		03-04-16	2/4	
R2	I	07-10-18		02-18-115	2/4	
R20	O	06-11-18		03-07-16	4/5	
R30	I	06-11-18		02-18-114	2/4	

ELEMENT IDENTIFIER (CONT)					
B					
TYTC RIGHT PORT CONNECTORS					
TERM. MODIFIER	FLNC	ACCESS. TESS	PS TERM.	LOC FS/SYM	NOTE
R3	01	06-18-18	03-10-16	4/7	
R39	1	06-18-18	02-18-113	2/4	
S90	0	07-11-14	02-15-310	2/4	
S10	0	07-18-14	02-18-309	2/4	
S20	0	06-18-15	02-18-108	2/4	
S30	0	06-18-14	02-18-008	2/4	
T9	01	07-11-25	03-01-15	4/1	
T1	01	07-18-25	03-04-15	4/3	
T2	01	06-11-25	03-0C-15	4/3	
T3	0	06-18-15	03-10-15	4/7	

ELEMENT IDENTIFIER					
C					
TTYC LEFT PORT CONNECTORS					
TERM. MODIFIER	FLW	ACCESS TERM.	FS TERM.	LOC FS/SYM	NOTE
+R6	0	07-27-3	03-31-2	3/1	
+R5	0	07-34-3	03-34-2	3/3	
+R6	0	06-27-3	03-37-2	3/5	
+R7	0	06-34-3	03-40-2	3/7	

ELEMENT IDENTIFIER						
D						
TTY LEFT CHANNEL CONNECTORS						
TERM. LOCN	FLNC	ACCESS TERM.	FS TERM.	LOC FS/SYM	NOTE	
L010N	1	07-29-2	02-27-303	1/1	14	
L010P	1	07-29-2	02-27-303	1/1	14	
L011N	1	06-58-2	02-27-002	1/1	14	
L011P	1	06-58-1	02-27-101	1/1	14	
L000N	0	07-40-1	02-27-104	1/1	14	
L000P	0	07-40-1	02-27-206	1/1	14	
L001N	0	06-40-2	02-27-304	1/1	14	
L001P	0	06-40-1	02-27-295	1/1	14	
L008	0	07-42-2	02-27-105	1/1	14	
L110	0	07-42-1	02-27-005	1/1	14	
L110P	0	06-42-2	02-27-106	1/1	14	
L118	0	07-42-1	02-27-004	1/1	14	
L11P	0	06-42-1	02-27-004	1/1	14	

ELEMENT IDENTIFIER						
E						
TYTC RIGHT CHANNEL CONNECTORS						
TYTC NUMBER	TYTC FUNCTION	ACCESS TEMP.	FS TEMP.	LOC FS/RTN	NOTE	
R010N	1	07-04-2	02-15-303	2/1	14	
R010P	1	07-04-1	02-15-203	2/1	14	
R010N	1	06-04-2	02-15-002	2/1	14	
R010P	0	06-04-1	02-15-101	2/1	14	
R000N	0	06-06-1	02-15-005	2/1	14	
R000P	0	07-06-1	02-15-206	2/1	14	
R001N	0	06-06-2	02-15-304	2/1	14	
R001P	0	06-06-1	02-15-205	2/1	14	
R100N	0	07-08-2	02-15-105	2/1	14	
R100P	0	07-08-1	02-15-005	2/1	14	
R110P	0	06-08-2	02-15-104	2/1	14	
R110N	0	06-08-1	02-15-004	2/1	14	

CAD 2 RIGHT CHANNEL CONNECTORS

TO CONNECTION					FROM CONNECTION				
DESTINATION	LEAD DESIG	METHOD	WIRE SYN	TERMINAL	LEAD DESIG	TERMINATION	TERMINAL	OPT	NOTE
.....R	06-04	CONNECTOR	(NOTE 1).....						
TO CONN DCT	RD1P	DCT 1	1	RD1P 02-18	CP	101		14	
	RD1N	DCT 2	2	RD1N 02-18	CP	002		14	
.....S	06-06	CONNECTOR	(NOTE 1).....						
TO CONN DCT	RD1P	DCT 1	1	RD1P 02-18	CP	203		14	
	RD1N	DCT 2	2	RD1N 02-18	CP	304		14	
.....I	06-08	CONNECTOR	(NOTE 1).....						
TO CONN DCT	R1P	DCT 1	1	R1P 02-18	CP	004		14	
	R1N	DCT 2	2	R1N 02-18	CP	104		14	
.....R	07-04	CONNECTOR	(NOTE 1).....						
TO CONN DCT	RD1P	DCT 1	1	RD1P 02-18	CP	203		14	
	RD1N	DCT 2	2	RD1N 02-18	CP	303		14	
.....S	07-06	CONNECTOR	(NOTE 1).....						
TO CONN DCT	RD0P	DCT 1	1	RD0P 02-18	CP	204		14	
	RD0N	DCT 2	2	RD0N 02-18	CP	305		14	
.....I	07-08	CONNECTOR	(NOTE 1).....						
TO CONN DCT	R1P	DCT 1	1	R1P 02-18	CP	005		14	
	R1N	DCT 2	2	R1N 02-18	CP	105		14	

CAD 3 LEFT CHANNEL CONNECTORS

TO CONNECTION					FROM CONNECTION				
DESTINATION	LEAD DESIG	METHOD	WIRE SYN	TERMINAL	LEAD DESIG	TERMINATION	TERMINAL	OPT	NOTE
.....R	06-38	CONNECTOR	(NOTE 1).....						
TO CONN DCT	LD1P	DCT 1	1	LD1P 02-27	CP	001		14	
	LD1N	DCT 2	2	LD1N 02-27	CP	002		14	
.....S	06-40	CONNECTOR	(NOTE 1).....						
TO CONN DCT	LD0P	DCT 1	1	LD0P 02-27	CP	205		14	
	LD0N	DCT 2	2	LD0N 02-27	CP	304		14	
.....I	06-42	CONNECTOR	(NOTE 1).....						
TO CONN DCT	L1P	DCT 1	1	L1P 02-27	CP	004		14	
	L1N	DCT 2	2	L1N 02-27	CP	104		14	
.....R	07-38	CONNECTOR	(NOTE 1).....						
TO CONN DCT	LD1P	DCT 1	1	LD1P 02-27	CP	203		14	
	LD1N	DCT 2	2	LD1N 02-27	CP	303		14	
.....S	07-40	CONNECTOR	(NOTE 1).....						
TO CONN DCT	LD0P	DCT 1	1	LD0P 02-27	CP	206		14	
	LD0N	DCT 2	2	LD0N 02-27	CP	305		14	
.....I	07-42	CONNECTOR	(NOTE 1).....						
TO CONN DCT	L1P	DCT 1	1	L1P 02-27	CP	005		14	
	L1N	DCT 2	2	L1N 02-27	CP	105		14	

CAD 4 PORT 0

TO CONNECTION					FROM CONNECTION				
DESTINATION	LEAD DESIG	METHOD	WIRE SYN	TERMINAL	LEAD DESIG	TERMINATION	TERMINAL	OPT	NOTE
.....R	07-11	CONNECTOR	(NOTE 2).....						
TO CONN DCT	+S0	CA2	2	+S0	CAD 12				
	+H0	CA2	3	+H0	CAD 12				
TO CONN DCT	+R0	CA2	3	+R0	CAD 12				
	GREA	CA2	7	GREA	CAD 22				
TO CONN DCT	AL00	CA2	8	AL00	CAD 12				
	R-24	CA2	16	R-24	CAD 12				
TO CONN DCT	BAB0	CA2	11	BAB0	CAD 12				
	S00	CA2	14	S00	CAD 20				
TO CONN DCT	R00	CA2	16	R00	CAD 12				
	R0	CA2	18	R0	CAD 12				
TO CONN DCT	T0	CA2	25	T0	CAD 12				

CAD 5 PORT 1

TO CONNECTION					FROM CONNECTION				
DESTINATION	LEAD DESIG	METHOD	WIRE SYN	TERMINAL	LEAD DESIG	TERMINATION	TERMINAL	OPT	NOTE
.....R	07-18	CONNECTOR	(NOTE 2).....						
TO CONN DCT	+S1	CA2	2	+S1	CAD 13				
	+H1	CA2	3	+H1	CAD 13				
TO CONN DCT	+R1	CA2	3	+R1	CAD 13				
	GREA	CA2	7	GREA	CAD 22				
TO CONN DCT	AL10	CA2	8	AL10	CAD 13				
	R-24	CA2	10	R-24	CAD 13				
TO CONN DCT	R-24	CA2	10	R-24	CAD 13				
	BAB1	CA2	11	BAB1	CAD 13				
TO CONN DCT	S10	CA2	14	S10	CAD 20				
	R10	CA2	16	R10	CAD 13				
TO CONN DCT	R1	CA2	18	R1	CAD 13				
	T1	CA2	25	T1	CAD 13				

CAD 6 PORT 2

TO CONNECTION					FROM CONNECTION				
DESTINATION	LEAD DESIG	METHOD	WIRE SYN	TERMINAL	LEAD DESIG	TERMINATION	TERMINAL	OPT	NOTE
.....R	06-11	CONNECTOR	(NOTE 2).....						
TO CONN DCT	+S2	CA2	2	+S2	CAD 14				
	+H2	CA2	3	+H2	CAD 14				
TO CONN DCT	+R2	CA2	3	+R2	CAD 22				
	GREA	CA2	7	GREA	CAD 14				
TO CONN DCT	AL20	CA2	8	AL20	CAD 14				
	R-24	CA2	10	R-24	CAD 14				

CAD 6 (CONT'D)

TO CONNECTION					FROM CONNECTION				
DESTINATION	LEAD DESIG	METHOD	WIRE SYN	TERMINAL	LEAD DESIG	TERMINATION	TERMINAL	OPT	NOTE
.....R	06-11 (CONT'D)	CONNECTOR	(NOTE 2).....						
TO CONN DCT	BAB2	CA2	11	BAB2	CAD 14				
	S20	CA2	14	S20	CAD 20				
TO CONN DCT	R20	CA2	16	R20	CAD 14				
	R2	CA2	18	R2	CAD 14				
TO CONN DCT	T2	CA2	25	T2	CAD 14				

CAD 7 PORT 3

TO CONNECTION					FROM CONNECTION				
DESTINATION	LEAD DESIG	METHOD	WIRE SYN	TERMINAL	LEAD DESIG	TERMINATION	TERMINAL	OPT	NOTE
.....R	06-18	CONNECTOR	(NOTE 2).....						
TO CONN DCT	+S3	CA2	2	+S3	CAD 15				
	+H3	CA2	3	+H3	CAD 15				
TO CONN DCT	+R3	CA2	3	+R3	CAD 22				
	GREA	CA2	7	GREA	CAD 15				
TO CONN DCT	AL30	CA2	8	AL30	CAD 15				
	R-24	CA2	10	R-24	CAD 15				
TO CONN DCT	BAB3	CA2	11	BAB3	CAD 15				
	S30	CA2	14	S30	CAD 20				
TO CONN DCT	R30	CA2	16	R30	CAD 15				
	R3	CA2	18	R3	CAD 15				
TO CONN DCT	T3	CA2	25	T3	CAD 15				

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		G83	

CAD 8

PORT 4

TO CONNECTION				FROM CONNECTION			
DESTINATION	LEAD DESIG	METHOD	WIRE SYN	TERMINAL	LEAD DESIG	TERMINATION	TERMINAL
..... 07-27 CONNECTOR (NOTE 2)							
TO CONN CKT	+54	CAZ	2	+54	CAD 16		
TO CONN CKT	+54	CAZ	3	+54	CAL 16		
TO CONN CKT	+R4	CAZ	3	+R4	GRDA	CAD 23	
TO CONN CKT	GRDA	CAZ	7	GRDA	CAL 16		
TO CONN CKT	AL40	CAZ	8	AL40	CAL 16		
TO CONN CKT	L-24	CAZ	10	L-24	CAD 16		
TO CONN CKT	L-24	CAZ	11	L-24	CAD 16		
TO CONN CKT	BAB8	CAZ	11	BAB8	CAD 21		
TO CONN CKT	S40	CAZ	14	S40	CAD 16		
TO CONN CKT	S40	CAZ	16	S40	CAD 16		
TO CONN CKT	R40	CAZ	18	R40	CAD 16		
TO CONN CKT	R4	CAZ	18	R4	CAD 16		
TO CONN CKT	T4	CAZ	25	T4	CAD 16		
TO CONN CKT	L-24	CAZ	25	L-24	CAD 16		

CAD 9

PORT 5

TO CONNECTION				FROM CONNECTION			
DESTINATION	LEAD DESIG	METHOD	WIRE SYN	TERMINAL	LEAD DESIG	TERMINATION	TERMINAL
..... 07-34 CONNECTOR (NOTE 2)							
TO CONN CKT	+55	CAZ	2	+55	CAD 17		
TO CONN CKT	+55	CAZ	3	+55	CAD 17		
TO CONN CKT	+R5	CAZ	3	+R5	GRDA	CAD 23	
TO CONN CKT	GRDA	CAZ	7	GRDA	CAD 17		
TO CONN CKT	AL50	CAZ	8	AL50	CAD 17		
TO CONN CKT	L-24	CAZ	10	L-24	CAD 17		
TO CONN CKT	L-24	CAZ	11	L-24	CAD 17		
TO CONN CKT	BAB8	CAZ	11	BAB8	CAD 21		
TO CONN CKT	S50	CAZ	14	S50	CAD 17		
TO CONN CKT	S50	CAZ	16	S50	CAD 17		
TO CONN CKT	R50	CAZ	18	R50	CAD 17		
TO CONN CKT	R5	CAZ	18	R5	CAD 17		
TO CONN CKT	T5	CAZ	25	T5	CAD 17		
TO CONN CKT	L-24	CAZ	25	L-24	CAD 17		

CAD 10

PORT 6

TO CONNECTION				FROM CONNECTION			
DESTINATION	LEAD DESIG	METHOD	WIRE SYN	TERMINAL	LEAD DESIG	TERMINATION	TERMINAL
..... 06-27 CONNECTOR (NOTE 2)							
TO CONN CKT	+56	CAZ	2	+56	CAD 18		
TO CONN CKT	+56	CAZ	3	+56	CAD 16		
TO CONN CKT	+R6	CAZ	3	+R6	GRDA	CAD 23	
TO CONN CKT	GRDA	CAZ	7	GRDA	CAD 18		
TO CONN CKT	AL60	CAZ	8	AL60	CAD 18		
TO CONN CKT	L-24	CAZ	10	L-24	CAD 18		
TO CONN CKT	L-24	CAZ	11	L-24	CAD 18		

CAD 10

(CONT'D)

TO CONNECTION				FROM CONNECTION			
DESTINATION	LEAD DESIG	METHOD	WIRE SYN	TERMINAL	LEAD DESIG	TERMINATION	TERMINAL
..... 06-27 CONNECTOR (NOTE 2)							
TO CONN CKT	BAB8	CAZ	11	BAB8	CAD 18		
TO CONN CKT	S60	CAZ	14	S60	CAD 21		
TO CONN CKT	S60	CAZ	16	S60	CAD 18		
TO CONN CKT	R60	CAZ	18	R60	CAD 18		
TO CONN CKT	R6	CAZ	18	R6	CAD 18		
TO CONN CKT	T6	CAZ	25	T6	CAD 18		
TO CONN CKT	L-24	CAZ	25	L-24	CAD 18		

CAD 11

PORT 7

TO CONNECTION				FROM CONNECTION			
DESTINATION	LEAD DESIG	METHOD	WIRE SYN	TERMINAL	LEAD DESIG	TERMINATION	TERMINAL
..... 06-34 CONNECTOR (NOTE 2)							
TO CONN CKT	+57	CAZ	2	+57	CAD 19		
TO CONN CKT	+57	CAZ	3	+57	CAD 19		
TO CONN CKT	+R7	CAZ	3	+R7	CAD 23		
TO CONN CKT	GRDA	CAZ	7	GRDA	CAD 19		
TO CONN CKT	AL70	CAZ	8	AL70	CAD 19		
TO CONN CKT	L-24	CAZ	10	L-24	CAD 19		
TO CONN CKT	BAB7	CAZ	11	BAB7	CAD 19		
TO CONN CKT	S70	CAZ	14	S70	CAD 21		
TO CONN CKT	R70	CAZ	16	R70	CAD 19		
TO CONN CKT	R7	CAZ	18	R7	CAD 19		
TO CONN CKT	T7	CAZ	25	T7	CAD 19		

CAD 12

PORT 8

TO CONNECTION				FROM CONNECTION			
DESTINATION	LEAD DESIG	METHOD	WIRE SYN	TERMINAL	LEAD DESIG	TERMINATION	TERMINAL
..... NO CAD APPARATUS INVOLVED							
TO CAD 13	+24ST	CAZ			03-01	CP	1
TO CAD 4	+R8	CAZ			03-01	CP	2
TO CAD 1	+58	CAZ			03-01	CP	3
TO CAD 10	R80	ST			03-01	CP	4
TO CAD 1	AL80	CAZ			03-01	CP	5
TO CAD 1	AL80	CAZ			03-01	CP	6
TO CAD 1	AL80	CAZ			03-01	CP	7
TO CAD 1	AL80	CAZ			03-01	CP	8
TO CAD 1	AL80	CAZ			03-01	CP	9
TO CAD 1	AL80	CAZ			03-01	CP	10
TO CAD 1	AL80	CAZ			03-01	CP	11
TO CAD 1	AL80	CAZ			03-01	CP	12
TO CAD 1	AL80	CAZ			03-01	CP	13
TO CAD 1	AL80	CAZ			03-01	CP	14
TO CAD 1	AL80	CAZ			03-01	CP	15
TO CAD 1	AL80	CAZ			03-01	CP	16
TO CAD 1	AL80	CAZ			03-01	CP	17
TO CAD 1	AL80	CAZ			03-01	CP	18
TO CAD 1	AL80	CAZ			03-01	CP	19
TO CAD 1	AL80	CAZ			03-01	CP	20

CAD 13

PORT 1

TO CONNECTION				FROM CONNECTION			
DESTINATION	LEAD DESIG	METHOD	WIRE SYN	TERMINAL	LEAD DESIG	TERMINATION	TERMINAL
..... NO CAD APPARATUS INVOLVED							
TO CAD 14	+24ST	CAZ			03-04	CP	1
TO CAD 12	+24ST	CAZ			03-04	CP	2
TO CAD 5	+R1	CAZ			03-04	CP	3
TO CAD 1	+51	CAZ			03-04	CP	4
TO CAD 10	R10	ST			03-04	CP	5
TO CAD 1	AL10	CAZ			03-04	CP	6
TO CAD 14	AL10	ST			03-04	CP	7
TO CAD 20	AL10	CAZ			03-04	CP	8
TO CAD 12	GRDA	CAZ			03-04	CP	9
TO CAD 5	BAB1	CAZ			03-04	CP	10
TO CAD 10	R10	ST			03-04	CP	11
TO CAD 20	R10	CAZ			03-04	CP	12
TO CAD 5	T1	CAZ			03-04	CP	13
TO CAD 1	R1	CAZ			03-04	CP	14
TO CAD 26	R-24	CAZ			03-04	CP	15
TO CAD 26	R-24	CAZ			03-04	CP	16
TO CAD 26	R-24	CAZ			03-04	CP	17
TO CAD 26	R-24	CAZ			03-04	CP	18
TO CAD 26	R-24	CAZ			03-04	CP	19
TO CAD 26	R-24	CAZ			03-04	CP	20

CAD 14

PORT 2

TO CONNECTION				FROM CONNECTION			
DESTINATION	LEAD DESIG	METHOD	WIRE SYN	TERMINAL	LEAD DESIG	TERMINATION	TERMINAL
..... NO CAD APPARATUS INVOLVED							
TO CAD 15	+24ST	CAZ			03-07	CP	1
TO CAD 13	+24ST	CAZ			03-07	CP	2
TO CAD 6	+R2	CAZ			03-07	CP	3
TO CAD 1	+52	CAZ			03-07	CP	4
TO CAD 10	R20	ST			03-07	CP	5
TO CAD 6	AL20	CAZ			03-07	CP	6
TO CAD 20	AL20	CAZ			03-07	CP	7
TO CAD 13	AL20	ST			03-07	CP	8
TO CAD 15	GRDA	CAZ			03-07	CP	9
TO CAD 13	BAB2	CAZ			03-07	CP	10
TO CAD 6	R20	ST			03-07	CP	11
TO CAD 10	R20	CAZ			03-07	CP	12
TO CAD 20	AL20	ST			03-07	CP	13
TO CAD 6	T2	CAZ			03-07	CP	14
TO CAD 1	R2	CAZ			03-07	CP	15
TO CAD 26	R-24	CAZ			03-07	CP	16
TO CAD 26	R-24	CAZ			03-07	CP	17
TO CAD 26	R-24	CAZ			03-07	CP	18
TO CAD 26	R-24	CAZ			03-07	CP	19
TO CAD 26	R-24	CAZ			03-07	CP	20

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DWG SIZE
CZ
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CAD 15

PORT 3

TO CONNECTION					FROM CONNECTION						
DESTINATION	LEAD DESIGN	METHOD	WIRE SYN	TERMINAL	LEAD DESIGN	TERMINATION	TERMINAL	OPT	NOTE		
.....NO CAD APPARATUS INVOLVED.....											
TO CAD 16	+24ST	CAZ			+24ST	03-10	CP	1	11		
TO CAD 14	+24ST	CAZ			+24ST	03-10	CP	2	11		
TO CAD 7	R5	CAZ			R5	03-10	CP	3	11		
	+R3	CAZ			+R3	03-10	CP	4	11		
03-10-10	R30	ST			R30	03-10	CP	5	11		
03-10-14	AL30	ST			AL30	03-10	CP	6	11		
TO CAD 7	AL30	CAZ			AL30	03-10	CP	7	11		
TO CAD 20	AL30	CAZ			AL30	03-10	CP	8	11		
TO CAD 14	GRDA	CAZ			GRDA	03-10	CP	9	11		
TO CAD 7	BAB5	CAZ			BAB5	03-10	CP	10	11		
03-10-4	R30	ST			R30	03-10	CP	11	11		
TO CAD 20	R30	CAZ			R30	03-10	CP	12	11		
03-10-2	AL30	ST			AL30	03-10	CP	13	11		
TO CAD 7	R3	CAZ			R3	03-10	CP	14	11		
	R-4	CAZ			R-4	03-10	CP	15	11		
TO CAD 26	R-24	CAZ			R-24	03-10	CP	16	11		

CAD 16

PORT 4

TO CONNECTION					FROM CONNECTION						
DESTINATION	LEAD DESIG	METHOD	WIRE SYM	TERMINAL	LEAD DESIG	TERMINATION	TERMINAL	OPT	NOTE		
.....NO CAD APPARATUS INVOLVED.....											
TO CAD 17	+24ST				+24ST	03-31	CP	1	11		
TO CAD 15	+24ST	CAZ			+24ST	03-31	CP	2	11		
TO CAD 8	R4	CAZ			R4	03-31	CP	3	11		
I	R4	CAZ			R4	03-31	CP	4	11		
03-31-10	R40	ST			R40	03-31	CP	5	11		
TO CAD 8	R40	CAZ			R40	03-31	CP	6	11		
I	AL40	CAZ			AL40	03-31	CP	7	11		
TO CAD 21	AL40	CAZ			AL40	03-31	CP	8	11		
03-31-14	AL40	ST			AL40	03-31	CP	9	11		
TO CAD 24	GRDA	CAZ			GRDA	03-31	CP	10	11		
TO CAD 17	GRDA	CAZ			GRDA	03-31	CP	11	11		
TO CAD 8	BABA	CAZ			BABA	03-31	CP	12	11		
03-31-4	R40	ST			R40	03-31	CP	13	11		
TO CAD 21	R40	CAZ			R40	03-31	CP	14	11		
TO CAD 8	AL40	ST			AL40	03-31	CP	15	11		
TO CAD 8	T4	CAZ			T4	03-31	CP	16	11		
I	R4	CAZ			R4	03-31	CP	17	11		
TO CAD 26	L-24	CAZ			L-24	03-31	CP	18	11		
	L-24	CAZ			L-24	03-31	CP	19	11		

CAD 17

PORT 5

TO CONNECTION				FROM CONNECTION					
DESTINATION	LEAD DESIG	METHOD	WIRE SYN	TERMINAL	LEAD DESIG	TERMINATION	TERMINAL	OPT	NOTE
-----NO CAD APPARATUS INVOLVED-----									
TO CAD 18	+24ST	CAZ			+24ST	03-34	CP	1	11
TO CAD 16	+24ST	CAZ			+24ST	03-34	CP	2	11
TO CAD 9	R5	CAZ			R5	03-34	CP	3	11
I	R5	CAZ			R5	03-34	CP	4	11
03-34-10	R50	ST			R50	03-34	CP	5	11
TO CAD 9	R50	CAZ			R50	03-34	CP	6	11
I	AL50	CAZ			AL50	03-34	CP	7	11
TO CAD 21	AL50	CAZ			AL50	03-34	CP	8	11
03-34-14	AL50	ST			AL50	03-34	CP	9	11
TO CAD 18	GRDA	CAZ			GRDA	03-34	CP	10	11
TO CAD 16	GRDA	CAZ			GRDA	03-34	CP	11	11
TO CAD 9	BAB5	CAZ			BAB5	03-34	CP	12	11
03-34-4	R50	ST			R50	03-34	CP	13	11

CAD 17

(CONT'D)

TO CONNECTION				FROM CONNECTION					
DESTINATION	LEAD DESIG	METHOD	WIRE SYM	TERMINAL	LEAD DESIG	TERMINATION	TERMINAL	OPT	NOTE
.....NO CAD APPARATUS INVOLVED..... (CONT'D)									
TO CAD 1	R50	CAZ			R50	03-34	CP	10	10
03-34-7	AL50	ST			AL50	03-34	CP	14	
TO CAD 9	T5	CAZ			T5	03-34	CP	15	
I	R5	CAZ			R5	03-34	CP	16	
	L-24	CAZ			L-24	03-34	CP	20	
TO CAD 26	L-24	CAZ			L-24	03-34	CP	20	10

CAD 18

CAD 18

PORT 6

TO CONNECTION				FROM CONNECTION					
DESTINATION	LEAD DESIG	METHOD	WIRE SYM	TERMINAL	LEAD DESIG	TERMINATION	TERMINAL	OPT	NOTE
.....NO CAD APPARATUS INVOLVED.....									
TO CAD 19	+24ST				+24ST	03-37	CP	1	11
TO CAD 17	+24ST				+24ST	03-37	CP	2	11
I	+R6	CAZ			+R6	03-37	CP	3	
03-37-10	R60	ST			R60	03-37	CP	4	
TO CAD 10	R60	CAZ			R60	03-37	CP	5	
I	AL60	CAZ			AL60	03-37	CP	6	
TO CAD 21	AL60	CAZ			AL60	03-37	CP	7	
03-37-14	AL60	ST			AL60	03-37	CP	8	10
TO CAD 19	GRDA	CAZ			GRDA	03-37	CP	9	
TO CAD 17	GRDA	CAZ			GRDA	03-37	CP	10	11
TO CAD 10	BAB6	CAZ			BAB6	03-37	CP	11	11
I	R60	CAZ			R60	03-37	CP	12	
TO CAD 21	R60	ST			R60	03-37	CP	13	10
TO CAD 10	R6	CAZ			R6	03-37	CP	14	
I	R6	CAZ			R6	03-37	CP	15	
TO CAD 26	L-24	CAZ			L-24	03-37	CP	16	
	L-24	CAZ			L-24	03-37	CP	17	

CAD 19

PORT 7

TO CONNECTION				FROM CONNECTION					
DESTINATION	LEAD DESIG	METHOD	WIRE SYN	TERMINAL	LEAD DESIG	TERMINATION	TERMINAL	OPT	NOTE
.....NO CAD APPARATUS INVOLVED.....									
TO CAD 24	+24ST	CAZ			+24ST	03-40	CP	1	11
TO CAD 18	+24ST	CAZ			+24ST	03-40	CP	2	11
TO CAD 11	R7	CAZ			R7	03-40	CP	3	
I	R7	CAZ			R7	03-40	CP	4	
03-40-10	R70	ST			R70	03-40	CP	5	
TO CAD 11	R70	CAZ			R70	03-40	CP	6	
I	AL70	CAZ			AL70	03-40	CP	7	
TO CAD 21	AL70	CAZ			AL70	03-40	CP	8	10
03-40-14	AL70	ST			AL70	03-40	CP	9	
TO CAD 23	GRDA	CAZ			GRDA	03-40	CP	10	
TO CAD 18	GRDA	CAZ			GRDA	03-40	CP	11	11
TO CAD 11	BAB7	CAZ			BAB7	03-40	CP	12	
I	R70	ST			R70	03-40	CP	13	
TO CAD 21	R70	CAZ			R70	03-40	CP	14	
03-40-7	AL70	ST			AL70	03-40	CP	15	10
TO CAD 11	T7	CAZ			T7	03-40	CP	16	
I	R7	CAZ			R7	03-40	CP	17	
TO CAD 26	L-24	CAZ			L-24	03-40	CP	18	
	L-24	CAZ			L-24	03-40	CP	19	

CAD 20

TO CONNECTION				FROM CONNECTION					
DESTINATION	LEAD DESIG	METHOD	WIRE SYN	TERMINAL	LEAD DESIG	TERMINATION	TERMINAL	OPT	NOTE
.....NO CAD APPARATUS INVOLVED.....									
TO CAD 4	S00	CAZ			S00	02-18	CP	310	10
TO CAD 12	R00	CAZ			R00	02-18	CP	311	10
I	AL00	CAZ			AL00	02-18	CP	312	10
TO CAD 5	S10	CAZ			S10	02-18	CP	313	10
TO CAD 13	R10	CAZ			R10	02-18	CP	314	10
I	AL10	CAZ			AL10	02-18	CP	315	10
TO CAD 6	S20	CAZ			S20	02-18	CP	316	10
TO CAD 14	R20	CAZ			R20	02-18	CP	317	10
I	AL20	CAZ			AL20	02-18	CP	318	10
TO CAD 7	S30	CAZ			S30	02-18	CP	319	10
TO CAD 15	R30	CAZ			R30	02-18	CP	320	10
I	AL30	CAZ			AL30	02-18	CP	321	10
TO CAD 25	+24ST	CAZ			+24ST	02-18	CP	322	10

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(CONT'D)

TO

TTYC UNIT - POWER TO REGULATOR

TO

TTYC UNIT - REGULATED POWER TO MLPWB

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MLR LUGS

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TELETYPEWRITER CONTROLLER UNIT		DWG SIZE c2	ISSUE 6A
BELL LABORATORIES	SD-1C905-01		GB6